

# Prolong - Supa Seal

## Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10  
Issue date: 1/3/2023 Revision date: 6/23/2026 Supersedes: 9/1/2025 Version: 1.4

### SECTION 1: Identification of the substance/mixture and of the supplier/undertaking

#### 1.1. GHS product identifier

|                 |                       |
|-----------------|-----------------------|
| Product form    | : Mixture             |
| Trade name      | : Prolong - Supa Seal |
| Type of product | : Coatings            |
| Product code    | : PLSUPASEAL          |
| Product group   | : Trade product       |

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended use | : Semi-gloss penetrating sealer suitable for sealing porous surfaces including brick, clay, terracotta tiles, porous slasto and stone cladding. |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

#### 1.4. Supplier's details

##### Manufacturer

Dura Paints (Pty) Ltd.  
5 Wakefield Road; Founders View South.  
P.O. Box 303  
1610 Edenvale; Johannesburg – South Africa  
T 011 452 5221  
[orders@durapaints.co.za](mailto:orders@durapaints.co.za) - [www.durapaints.co.za](http://www.durapaints.co.za)

#### 1.5. Emergency phone number

|                  |                               |
|------------------|-------------------------------|
| Emergency number | : 079 494 2731 / 011 452 5221 |
|------------------|-------------------------------|

### SECTION 2: Hazard identification

#### 2.1. GHS classification of the substance/mixture and any national or regional information

##### Classification according to the United Nations GHS

|                                                                |      |
|----------------------------------------------------------------|------|
| Flammable liquids, Category 2                                  | H225 |
| Acute toxicity (inhalation:dust,mist) Category 4               | H332 |
| Skin sensitisation, Category 1                                 | H317 |
| Carcinogenicity, Category 1                                    | H350 |
| Reproductive toxicity, Category 2                              | H361 |
| Specific target organ toxicity – Single exposure, Category 2   | H371 |
| Specific target organ toxicity – Repeated exposure, Category 1 | H372 |
| Aspiration hazard, Category 1                                  | H304 |

Full text of H-statements: see section 16

|                                                                 |                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adverse physicochemical, human health and environmental effects | : Highly flammable liquid and vapour,May cause cancer,Suspected of damaging fertility or the unborn child,Causes damage to organs through prolonged or repeated exposure,May cause damage to organs,Harmful if inhaled,May cause an allergic skin reaction,May be fatal if swallowed and enters airways. |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 2.2. GHS label elements, including precautionary statements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)



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|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (GHS ZA)              | : Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazardous ingredients             | : Solvent naphtha (petroleum), medium aliph.; Xylene; Solvent naphtha (petroleum), heavy arom.; Butanone oxime; Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).]; Naphthalene; Toluene                                                                                                                                                            |
| Hazard statements (GHS ZA)        | : H225 - Highly flammable liquid and vapour<br>H304 - May be fatal if swallowed and enters airways<br>H317 - May cause an allergic skin reaction<br>H332 - Harmful if inhaled<br>H350 - May cause cancer (Inhalation)<br>H361 - Suspected of damaging the unborn child. (Inhalation, Dermal)<br>H371 - May cause damage to organs (central nervous system, Respiratory tract) (Inhalation)<br>H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation, Oral)                                                                    |
| Precautionary statements (GHS ZA) | : P101 - If medical advice is needed, have product container or label and product safety data sheet at hand.<br>P102 - Keep out of reach of children.<br>P103 - Read carefully and follow all instructions.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261 - Avoid breathing spray, mist, vapours.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear eye protection, protective clothing, protective gloves.<br>P501 - Dispose of container to Recycling, according to local regulations. |
| P-statements for label (GHS-ZA)   | : P101 - If medical advice is needed, have product container or label and product safety data sheet at hand.; P102 - Keep out of reach of children.; P103 - Read carefully and follow all instructions.; P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.; P261 - Avoid breathing spray, mist, vapours.; P271 - Use only outdoors or in a well-ventilated area.; P280 - Wear eye protection, protective clothing, protective gloves.; P501 - Dispose of container to Recycling, according to local regulations.               |

### 2.3. Other hazards which do not result in classification or are not covered by the GHS

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                                                                                                                                                                                                                                                                              | Product identifier  | %           | Classification according to the United Nations GHS                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).] | CAS-No.: 8008-20-6  | 15 – 60     | Flam. Liq. 3, H226<br>Acute Tox. Not classified (Oral)<br>Carc. 1, H350<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                          |
| Solvent naphtha (petroleum), medium aliph.                                                                                                                                                                                                                                        | CAS-No.: 64742-88-7 | 12.9 – 23.5 | Flam. Liq. 3, H226<br>Acute Tox. Not classified (Oral)<br>Acute Tox. 3 (Inhalation:vapour), H331<br>STOT RE 1, H372<br>Asp. Tox. 1, H304 |

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| Name                                     | Product identifier  | %               | Classification according to the United Nations GHS                                                                                                                                                                                                                               |
|------------------------------------------|---------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solvent naphtha (petroleum), heavy arom. | CAS-No.: 64742-94-5 | 0.95 – 5        | STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                                                                                                                                                                                                  |
| Xylene                                   | CAS-No.: 1330-20-7  | 0.3 – 2.2       | Flam. Liq. 3, H226<br>Acute Tox. Not classified (Oral)<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. Not classified (Inhalation:vapour)<br>Skin Irrit. 2, H315<br>STOT SE 1, H370<br>STOT RE Not classified<br>Aquatic Chronic 2, H411         |
| Naphthalene                              | CAS-No.: 91-20-3    | 0 – 1.8         | Acute Tox. 4 (Oral), H302<br>Acute Tox. 2 (Inhalation:dust,mist), H330<br>Carc. 2, H351<br>STOT RE Not classified<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                                                                                                            |
| ethylbenzene                             | CAS-No.: 100-41-4   | 0 – 1.2         | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation:vapour), H332<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                                                                                                                                                                             |
| Cumene                                   | CAS-No.: 98-82-8    | 0 – 0.6         | Flam. Liq. 3, H226<br>Carc. 1B, H350<br>STOT SE 3, H335<br>STOT RE Not classified<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                                                                                                                                |
| Toluene                                  | CAS-No.: 108-88-3   | 0 – 0.6         | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                                                                                                                                                            |
| Butanone oxime                           | CAS-No.: 96-29-7    | 0.0995 – 0.2985 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 1B, H350<br>STOT SE 1, H370<br>STOT SE 3, H336<br>STOT RE 1, H372<br>Aquatic Chronic Not classified |

## SECTION 4: First aid measures

### 4.1. Description of necessary first aid measures

First-aid measures general : Call a physician immediately.

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|                                       |                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.                            |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                                                         |
| First-aid measures after ingestion    | : Do not induce vomiting. Call a physician immediately.                                                                                          |
| Self protection of the first-aider    | : First aid workers will be equipped with suitable personal protective equipment.                                                                |

### 4.2. Most important symptoms/effect, acute and delayed

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Symptoms/effects after inhalation   | : Harmful if inhaled.                  |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : None under normal conditions.        |
| Symptoms/effects after ingestion    | : Risk of lung oedema.                 |

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Specific hazards arising from the chemical

|                                                  |                                       |
|--------------------------------------------------|---------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapour. |
| Explosion hazard                                 | : No direct explosion hazard.         |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.        |

### 5.3. Special protective actions for fire-fighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                 |
| Emergency procedures | : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray. |

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate non-essential personnel. Stop leak if safe to do so.                                                                                             |

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

|                 |                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                               |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling     | : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
| Hygiene measures                  | : Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### 7.2. Conditions for safe storage, including any incompatibilities

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| Technical measures  | : Ground/bond container and receiving equipment.                                               |
| Storage conditions  | : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |
| Packaging materials | : Always store product in container of same material as original container.                    |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Xylene (1330-20-7)                                                |                                       |
|-------------------------------------------------------------------|---------------------------------------|
| South Africa - Occupational Exposure Limits (Restricted Limits)   |                                       |
| Local name                                                        | Xylene, o-, m-, p- or mixed isomers   |
| OEL eight hour TWA                                                | 300 ppm                               |
| RHCA - STEL/C                                                     | 200 ppm                               |
| Remark                                                            | SKIN (danger of cutaneous absorption) |
| Regulatory reference                                              | Government Notice No. R. 280, 2021    |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) |                                       |
| Local name                                                        | Xylene, o-, m-, p- or mixed isomers   |
| OEL TWA                                                           | 218 mg/m <sup>3</sup>                 |
|                                                                   | 50 ppm                                |
| OEL STEL                                                          | 435 mg/m <sup>3</sup>                 |
|                                                                   | 100 ppm                               |
| Remark                                                            | Sk (Danger of cutaneous absorption)   |
| Regulatory reference                                              | Government Notice No. R 904           |
| South Africa - Biological limit values                            |                                       |
| Local name                                                        | Xylenes                               |

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|                                                                          |                                                                                                                                                           |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Xylene (1330-20-7)</b>                                                |                                                                                                                                                           |
| BEI                                                                      | 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift                                                          |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021                                                                                                                        |
| <b>Naphthalene (91-20-3)</b>                                             |                                                                                                                                                           |
| <b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>   |                                                                                                                                                           |
| Local name                                                               | Naphthalene                                                                                                                                               |
| OEL eight hour TWA                                                       | 15 ppm                                                                                                                                                    |
|                                                                          | 75 mg/m <sup>3</sup>                                                                                                                                      |
| RHCA - STEL/C                                                            | 20 ppm                                                                                                                                                    |
|                                                                          | 10 ppm                                                                                                                                                    |
|                                                                          | 50 mg/m <sup>3</sup>                                                                                                                                      |
| Remark                                                                   | CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B), SKIN (danger of cutaneous absorption)                    |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021<br>Government Notice. R: 1179                                                                                          |
| <b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b> |                                                                                                                                                           |
| Local name                                                               | Naphthalene                                                                                                                                               |
| OEL TWA                                                                  | 50 mg/m <sup>3</sup>                                                                                                                                      |
|                                                                          | 10 ppm                                                                                                                                                    |
| OEL STEL                                                                 | 75 mg/m <sup>3</sup>                                                                                                                                      |
|                                                                          | 15 ppm                                                                                                                                                    |
| Regulatory reference                                                     | Government Notice No. R 904                                                                                                                               |
| <b>ethylbenzene (100-41-4)</b>                                           |                                                                                                                                                           |
| <b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>   |                                                                                                                                                           |
| Local name                                                               | Ethyl benzene                                                                                                                                             |
| RHCA - STEL/C                                                            | 40 ppm                                                                                                                                                    |
| Remark                                                                   | CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B), SKIN (danger of cutaneous absorption)                    |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021                                                                                                                        |
| <b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b> |                                                                                                                                                           |
| Local name                                                               | Ethyl benzene                                                                                                                                             |
| OEL TWA                                                                  | 435 mg/m <sup>3</sup>                                                                                                                                     |
|                                                                          | 100 ppm                                                                                                                                                   |
| OEL STEL                                                                 | 545 mg/m <sup>3</sup>                                                                                                                                     |
|                                                                          | 125 ppm                                                                                                                                                   |
| Regulatory reference                                                     | Government Notice No. R 904                                                                                                                               |
| <b>South Africa - Biological limit values</b>                            |                                                                                                                                                           |
| Local name                                                               | Ethyl benzene                                                                                                                                             |
| BEI                                                                      | 0.15 g/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: End of shift - Notations: Ns (non-specific) |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021                                                                                                                        |

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|                                                                          |                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cumene (98-82-8)</b>                                                  |                                                                                                                                                                                                                                                                                                     |
| <b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>   |                                                                                                                                                                                                                                                                                                     |
| Local name                                                               | Cumene [isopropyl benzene]                                                                                                                                                                                                                                                                          |
| RHCA - STEL/C                                                            | 100 ppm                                                                                                                                                                                                                                                                                             |
| Remark                                                                   | CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B), SKIN (danger of cutaneous absorption)                                                                                                                                                              |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021                                                                                                                                                                                                                                                                  |
| <b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b> |                                                                                                                                                                                                                                                                                                     |
| Local name                                                               | Cumene (Isopropyl benzene)                                                                                                                                                                                                                                                                          |
| OEL TWA                                                                  | 120 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
|                                                                          | 25 ppm                                                                                                                                                                                                                                                                                              |
| OEL STEL                                                                 | 370 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
|                                                                          | 75 ppm                                                                                                                                                                                                                                                                                              |
| Remark                                                                   | Sk (Danger of cutaneous absorption)                                                                                                                                                                                                                                                                 |
| Regulatory reference                                                     | Government Notice No. R 904                                                                                                                                                                                                                                                                         |
| <b>Toluene (108-88-3)</b>                                                |                                                                                                                                                                                                                                                                                                     |
| <b>South Africa - Occupational Exposure Limits (Restricted Limits)</b>   |                                                                                                                                                                                                                                                                                                     |
| Local name                                                               | Toluene                                                                                                                                                                                                                                                                                             |
| OEL eight hour TWA                                                       | 150 ppm                                                                                                                                                                                                                                                                                             |
|                                                                          | 560 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
| RHCA - STEL/C                                                            | 40 ppm                                                                                                                                                                                                                                                                                              |
|                                                                          | 50 ppm                                                                                                                                                                                                                                                                                              |
|                                                                          | 188 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
| Remark                                                                   | SKIN (danger of cutaneous absorption)<br>Sk                                                                                                                                                                                                                                                         |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021<br>Government Notice. R: 1179                                                                                                                                                                                                                                    |
| <b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b> |                                                                                                                                                                                                                                                                                                     |
| Local name                                                               | Toluene                                                                                                                                                                                                                                                                                             |
| OEL TWA                                                                  | 188 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
|                                                                          | 50 ppm                                                                                                                                                                                                                                                                                              |
| OEL STEL                                                                 | 560 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                               |
|                                                                          | 150 ppm                                                                                                                                                                                                                                                                                             |
| Remark                                                                   | Sk (Danger of cutaneous absorption)                                                                                                                                                                                                                                                                 |
| Regulatory reference                                                     | Government Notice No. R 904                                                                                                                                                                                                                                                                         |
| <b>South Africa - Biological limit values</b>                            |                                                                                                                                                                                                                                                                                                     |
| Local name                                                               | Toluene                                                                                                                                                                                                                                                                                             |
| BEI                                                                      | 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek<br>0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift<br>0.3 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: End of shift -<br>Notations: B (background) |
| Regulatory reference                                                     | Government Notice No. R. 280, 2021                                                                                                                                                                                                                                                                  |

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### 8.2. Appropriate engineering controls

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Environmental exposure controls  | : Avoid release to the environment.            |

### 8.3. Individual protection measures, such as personal protective equipment

|                                         |                                                                    |
|-----------------------------------------|--------------------------------------------------------------------|
| Hand protection                         | : Protective gloves                                                |
| Eye protection                          | : Safety glasses                                                   |
| Skin and body protection                | : Wear suitable protective clothing                                |
| Respiratory protection                  | : [In case of inadequate ventilation] wear respiratory protection. |
| Personal protective equipment symbol(s) |                                                                    |



### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                                    |
|-------------------------------------------------|----------------------------------------------------|
| Physical state                                  | : Liquid                                           |
| Appearance                                      | : Clear liquid.                                    |
| Colour                                          | : amber                                            |
| Odour                                           | : Pungent                                          |
| Odour threshold                                 | : No data available                                |
| pH                                              | : No data available                                |
| pH solution                                     | : No data available                                |
| Relative evaporation rate (butylacetate=1)      | : No data available                                |
| Relative evaporation rate (ether=1)             | : No data available                                |
| Melting point                                   | : Not applicable                                   |
| Freezing point                                  | : No data available                                |
| Boiling point                                   | : No data available                                |
| Flash point                                     | : No data available                                |
| Auto-ignition temperature                       | : No data available                                |
| Decomposition temperature                       | : No data available                                |
| Flammability                                    | : Highly flammable liquid and vapour.              |
| Vapour pressure                                 | : No data available                                |
| Vapour pressure at 50°C                         | : No data available                                |
| Relative vapour density at 20°C                 | : No data available                                |
| Relative density                                | : $\approx 0.82$ At 25 deg. C; Source: Product TDS |
| Relative density of saturated gas/air mixture   | : No data available                                |
| Density                                         | : No data available                                |
| Relative gas density                            | : No data available                                |
| Solubility                                      | : No data available                                |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                |
| Partition coefficient n-octanol/water (Log Kow) | : No data available                                |
| Viscosity, kinematic                            | : $\approx 11 \text{ mm}^2/\text{s}$               |
| Viscosity, dynamic                              | : No data available                                |
| Explosive properties                            | : No data available                                |
| Oxidising properties                            | : No data available                                |
| Explosive limits                                | : No data available                                |
| Lower explosion limit                           | : No data available                                |
| Upper explosion limit                           | : No data available                                |
| Physical state                                  | : Liquid                                           |
| Appearance                                      | : Clear liquid.                                    |

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### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical Stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

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|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATE ZA (dust, mist)                                     | 2.669 mg/l/4h                                                                                                                                                                               |
| Solvent naphtha (petroleum), medium aliph. (64742-88-7) |                                                                                                                                                                                             |
| LD50 oral rat                                           | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Remarks on results: other: |
| LD50 dermal rabbit                                      | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:              |
| LC50 Inhalation - Rat (Vapours)                         | > 5.28 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:, 95% CL: 0,42 -                                                           |
| Xylene (1330-20-7)                                      |                                                                                                                                                                                             |
| LD50 oral rat                                           | > 3523 – < 6631 mg/kg bodyweight XYLENE : ECHA                                                                                                                                              |
| LD50 dermal rabbit                                      | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:                                                                                                         |
| LC50 Inhalation - Rat                                   | ≥ 27.124 mg/l XYLENE : ECHA                                                                                                                                                                 |
| Solvent naphtha (petroleum), heavy arom. (64742-94-5)   |                                                                                                                                                                                             |
| LD50 oral rat                                           | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:                                                                        |
| LD50 dermal rat                                         | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:                                                                      |

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|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Solvent naphtha (petroleum), heavy arom. (64742-94-5)</b>                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other:                                             |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | > 900 – < 2326 mg/kg bodyweight Source: Echa                                                                                                                        |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                                                                       |
| LC50 Inhalation - Rat                                                                                                                                                                                                                                                                                | > 4.83 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)                                                                               |
| <b>Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).] (8008-20-6)</b> |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)     |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                  |
| LC50 Inhalation - Rat                                                                                                                                                                                                                                                                                | > 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -                                                              |
| <b>Naphthalene (91-20-3)</b>                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)                                                                            |
| LC50 Inhalation - Rat                                                                                                                                                                                                                                                                                | > 0.4 mg/l air Animal: rat, Guideline: other:, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) |
| <b>ethylbenzene (100-41-4)</b>                                                                                                                                                                                                                                                                       |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | ≈ 3500 mg/kg bodyweight Animal: rat                                                                                                                                 |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | ≥ 15400 mg/kg bodyweight Source: ECHA                                                                                                                               |
| LC50 Inhalation - Rat                                                                                                                                                                                                                                                                                | ≥ 17.629 mg/l Source: ECHA                                                                                                                                          |
| <b>Cumene (98-82-8)</b>                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | > 2260 – < 2700 mg/kg Source: ECHA                                                                                                                                  |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | > 3160 mg/kg bodyweight Animal: rabbit                                                                                                                              |
| <b>Toluene (108-88-3)</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| LD50 oral rat                                                                                                                                                                                                                                                                                        | 5580 mg/kg Source: ECHA                                                                                                                                             |
| LD50 dermal rabbit                                                                                                                                                                                                                                                                                   | > 5000 mg/kg Source: ECHA                                                                                                                                           |
| LC50 Inhalation - Rat                                                                                                                                                                                                                                                                                | > 25.7 – < 30 mg/l Source: ECHA                                                                                                                                     |
| LC50 Inhalation - Rat (Vapours)                                                                                                                                                                                                                                                                      | > 20 mg/l Source: ECHA                                                                                                                                              |
| Skin corrosion/irritation                                                                                                                                                                                                                                                                            | : Not classified                                                                                                                                                    |
| Serious eye damage/irritation                                                                                                                                                                                                                                                                        | : Not classified                                                                                                                                                    |
| Respiratory or skin sensitization                                                                                                                                                                                                                                                                    | : May cause an allergic skin reaction.                                                                                                                              |
| Germ cell mutagenicity                                                                                                                                                                                                                                                                               | : Not classified                                                                                                                                                    |
| Carcinogenicity                                                                                                                                                                                                                                                                                      | : May cause cancer (Inhalation).                                                                                                                                    |
| <b>Toluene (108-88-3)</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                     |
| IARC group                                                                                                                                                                                                                                                                                           | 3 - Not classifiable                                                                                                                                                |
| Reproductive toxicity                                                                                                                                                                                                                                                                                | : Suspected of damaging the unborn child. (Inhalation, Dermal).                                                                                                     |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                                                                                                                                     |
| NOAEL (animal/male, F0/P)                                                                                                                                                                                                                                                                            | > 200 mg/kg bodyweight Source: ECHA                                                                                                                                 |

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|                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).] (8008-20-6)</b> |                                                                                                                                                                                         |
| NOAEL (animal/male, F0/P)                                                                                                                                                                                                                                                                            | ≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]                               |
| <b>Naphthalene (91-20-3)</b>                                                                                                                                                                                                                                                                         |                                                                                                                                                                                         |
| LOAEL (animal/female, F0/P)                                                                                                                                                                                                                                                                          | 50 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:                                                                                                                  |
| LOAEL (animal/female, F1)                                                                                                                                                                                                                                                                            | 450 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:                                                                                                                 |
| NOAEL (animal/female, F0/P)                                                                                                                                                                                                                                                                          | 120 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: other:                                                                                                              |
| Reproductive toxicity                                                                                                                                                                                                                                                                                | : Suspected of damaging the unborn child. (Inhalation, Dermal).                                                                                                                         |
| STOT-single exposure                                                                                                                                                                                                                                                                                 | : May cause damage to organs (central nervous system, Respiratory tract) (Inhalation).                                                                                                  |
| <b>Xylene (1330-20-7)</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                                         |
| LOAEL (oral, rat)                                                                                                                                                                                                                                                                                    | ≈ 150 mg/kg bodyweight XYLENE : ECHA                                                                                                                                                    |
| NOAEL (oral, rat)                                                                                                                                                                                                                                                                                    | ≈ 250 mg/kg bodyweight XYLENE : ECHA                                                                                                                                                    |
| NOAEC (inhalation, rat, gas)                                                                                                                                                                                                                                                                         | > 450 – < 1800 ppmv/4h XYLENE : 12H : ECHA                                                                                                                                              |
| STOT-single exposure                                                                                                                                                                                                                                                                                 | Causes damage to organs (central nervous system) (Inhalation).                                                                                                                          |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                                                                                                                                                         |
| STOT-single exposure                                                                                                                                                                                                                                                                                 | Causes damage to organs. May cause drowsiness or dizziness.                                                                                                                             |
| <b>Cumene (98-82-8)</b>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                         |
| STOT-single exposure                                                                                                                                                                                                                                                                                 | May cause respiratory irritation.                                                                                                                                                       |
| <b>Toluene (108-88-3)</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                                         |
| STOT-single exposure                                                                                                                                                                                                                                                                                 | May cause drowsiness or dizziness.                                                                                                                                                      |
| STOT-repeated exposure                                                                                                                                                                                                                                                                               | : Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation, Oral).                                                                           |
| <b>Solvent naphtha (petroleum), medium aliph. (64742-88-7)</b>                                                                                                                                                                                                                                       |                                                                                                                                                                                         |
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                           | 750 mg/kg bodyweight Animal: rat, Animal sex: female                                                                                                                                    |
| NOAEC (inhalation, rat, vapour, 90 days)                                                                                                                                                                                                                                                             | ≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)                                                                                |
| STOT-repeated exposure                                                                                                                                                                                                                                                                               | Causes damage to organs through prolonged or repeated exposure.                                                                                                                         |
| <b>Xylene (1330-20-7)</b>                                                                                                                                                                                                                                                                            |                                                                                                                                                                                         |
| LOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                           | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| <b>Solvent naphtha (petroleum), heavy arom. (64742-94-5)</b>                                                                                                                                                                                                                                         |                                                                                                                                                                                         |
| LOAEL (dermal, rat/rabbit, 90 days)                                                                                                                                                                                                                                                                  | 50 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)                                                                      |
| LOAEC (inhalation, rat, vapour, 90 days)                                                                                                                                                                                                                                                             | 4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)                                                                                     |
| NOAEL (oral, rat, 28 days)                                                                                                                                                                                                                                                                           | ≥ 4 mg/kg bodyweight/day Source: ECHA                                                                                                                                                   |
| NOAEC (inhalation, rat, vapour, 90 days)                                                                                                                                                                                                                                                             | 2355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)                                                                                     |
| STOT-repeated exposure                                                                                                                                                                                                                                                                               | Causes damage to organs through prolonged or repeated exposure.                                                                                                                         |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                                                                                                                                                         |
| LOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                           | 40 mg/kg bodyweight Animal: rat, Guideline: other:                                                                                                                                      |

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| Butanone oxime (96-29-7)                                                                                                                                                                                                                                                                      |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEC (inhalation, rat, 28 days)                                                                                                                                                                                                                                                              | ≈ 0.054 mg/l Source: ECHA                                                                                                                                      |
| NOAEC (inhalation, rat, vapour, 90 days)                                                                                                                                                                                                                                                      | 0.09 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)                                                          |
| NOAEL (subchronic, oral, animal/male, 90 days)                                                                                                                                                                                                                                                | 110 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)                                          |
| STOT-repeated exposure                                                                                                                                                                                                                                                                        | Causes damage to organs through prolonged or repeated exposure.                                                                                                |
| Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).] (8008-20-6) |                                                                                                                                                                |
| LOAEL (dermal, rat/rabbit, 90 days)                                                                                                                                                                                                                                                           | ≈ 165 mg/kg bodyweight/day Rat; Source: ECHA                                                                                                                   |
| NOAEL (oral, rat, 28 days)                                                                                                                                                                                                                                                                    | > 750 mg/kg bodyweight/day Source: ECHA                                                                                                                        |
| NOAEL (dermal, rat/rabbit, 28 days)                                                                                                                                                                                                                                                           | ≈ 495 mg/kg bodyweight/day Rat; Source: ECHA                                                                                                                   |
| NOAEC (inhalation, rat, 28 days)                                                                                                                                                                                                                                                              | < 1 mg/l Source: ECHA                                                                                                                                          |
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | 750 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                      |
| NOAEL (dermal, rat/rabbit, 90 days)                                                                                                                                                                                                                                                           | ≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)                                                   |
| STOT-repeated exposure                                                                                                                                                                                                                                                                        | May cause damage to organs through prolonged or repeated exposure.                                                                                             |
| Naphthalene (91-20-3)                                                                                                                                                                                                                                                                         |                                                                                                                                                                |
| LOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | 400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                                          |
| LOAEC (inhalation, rat, vapour, 90 days)                                                                                                                                                                                                                                                      | 0.011 mg/l air Animal: rat, Guideline: EPA OPP 82-4 (90-Day Inhalation Toxicity), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | 200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)                                          |
| NOAEL (dermal, rat/rabbit, 90 days)                                                                                                                                                                                                                                                           | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)                                                    |
| ethylbenzene (100-41-4)                                                                                                                                                                                                                                                                       |                                                                                                                                                                |
| NOAEL (oral, rat, 28 days)                                                                                                                                                                                                                                                                    | ≈ 75 mg/kg bodyweight/day Source: ECHA                                                                                                                         |
| NOAEC (inhalation, rat, gas, 28 days)                                                                                                                                                                                                                                                         | > 250 – < 1000 ppmv/6h/day Source: ECHA                                                                                                                        |
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)                                           |
| STOT-repeated exposure                                                                                                                                                                                                                                                                        | May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation, Dermal).                                                       |
| Cumene (98-82-8)                                                                                                                                                                                                                                                                              |                                                                                                                                                                |
| NOAEL (oral, rat, 28 days)                                                                                                                                                                                                                                                                    | ≥ 535.8 mg/kg bodyweight/day Source: ECHA                                                                                                                      |
| Toluene (108-88-3)                                                                                                                                                                                                                                                                            |                                                                                                                                                                |
| LOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | ≈ 1250 mg/kg bodyweight/day Source: ECHA                                                                                                                       |
| LOAEC (inhalation, rat, gas, 90 days)                                                                                                                                                                                                                                                         | ≈ 2.261 mg/l Source: ECHA                                                                                                                                      |
| NOAEL (oral, rat, 28 days)                                                                                                                                                                                                                                                                    | ≥ 625 mg/kg bodyweight/day                                                                                                                                     |
| NOAEC (inhalation, rat, 28 days)                                                                                                                                                                                                                                                              | > 2.261 – < 4.71 mg/l Source : ECHA                                                                                                                            |
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                                                                    | ≈ 625 mg/kg bodyweight/day Rat                                                                                                                                 |
| NOAEC (inhalation, rat, gas, 90 days)                                                                                                                                                                                                                                                         | 1.131 – 2.355 mg/l Air, Source: ECHA                                                                                                                           |

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| Toluene (108-88-3)                       |                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------|
| NOAEC (inhalation, rat, vapour, 90 days) | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)     |
| STOT-repeated exposure                   | May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation). |

Aspiration hazard : May be fatal if swallowed and enters airways.

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|----------------------|-------------------------|
| Viscosity, kinematic | ≈ 11 mm <sup>2</sup> /s |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Xylene (1330-20-7)   |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | > 2.6 – < 9.6 mg/l Source: ECHA                                                                            |
| EC50 - Crustacea [1] | ≥ 10.389 mg/l Source: Echa                                                                                 |
| EC50 72h - Algae [1] | > 4.6 – < 4.9 mg/l XYLENE : Aquatic Algae : ECHA                                                           |
| LOEC (chronic)       | 3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                         |
| NOEC chronic fish    | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |
| NOEC chronic algae   | ≈ 0.44 mg/l XYLENE : Aquatic Algae 73H : ECHA                                                              |

| Solvent naphtha (petroleum), heavy arom. (64742-94-5) |                                                  |
|-------------------------------------------------------|--------------------------------------------------|
| LC50 - Fish [1]                                       | > 580 – < 8410 µg/l Source: ECHA                 |
| EC50 - Crustacea [1]                                  | 1.2 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1]                                  | > 12.4 – < 18.9 mg/l Source: ECHA                |

| Butanone oxime (96-29-7) |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| LC50 - Fish [1]          | > 100 mg/l Test organisms (species): Oryzias latipes                |
| EC50 - Crustacea [1]     | ≈ 201 mg/l Test organisms (species): Daphnia magna                  |
| EC50 72h - Algae [1]     | ≈ 11.8 mg/l Test organisms (species): Scenedesmus capricornutum     |
| EC50 72h - Algae [2]     | ≈ 6.09 mg/l Test organisms (species): Scenedesmus capricornutum     |
| NOEC (chronic)           | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish        | > 50 – < 100 mg/l Source: Echa                                      |
| NOEC chronic algae       | ≥ 2.56 mg/l Freshwater Algae; Source: Echa                          |

| Naphthalene (91-20-3) |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| LC50 - Fish [1]       | > 1.6 – < 7.9 mg/l Source: ECHA                                     |
| EC50 - Crustacea [1]  | 2.16 mg/l Test organisms (species): Daphnia magna                   |
| NOEC (chronic)        | 0.59 mg/l Test organisms (species): Daphnia pulex Duration: '125 d' |
| NOEC chronic fish     | > 0.12 – < 0.37 mg/l Source: ECHA                                   |

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| ethylbenzene (100-41-4) |                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]         | 5.1 mg/l Test organisms (species): Menidia menidia                                                                                       |
| EC50 - Crustacea [1]    | > 1.8 – < 2.4 mg/l Source: ECHA                                                                                                          |
| EC50 72h - Algae [1]    | 5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]    | 4.9 mg/l Test organisms (species): Skeletonema costatum                                                                                  |
| EC50 96h - Algae [1]    | 3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [2]    | 7.7 mg/l Test organisms (species): Skeletonema costatum                                                                                  |
| LOEC (chronic)          | 1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'                                                                    |
| NOEC (chronic)          | 0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'                                                                   |
| NOEC chronic algae      | ≈ 3.4 mg/l Fresh water algae; Source: ECHA                                                                                               |
| Cumene (98-82-8)        |                                                                                                                                          |
| LC50 - Fish [1]         | ≈ 4.7 mg/l Test organisms (species): Cyprinodon variegatus                                                                               |
| LC50 - Fish [2]         | ≈ 4.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                |
| EC50 - Crustacea [1]    | ≈ 2.14 mg/l Test organisms (species): Daphnia magna                                                                                      |
| EC50 - Crustacea [2]    | ≈ 2.45 mg/l Source: ECHA                                                                                                                 |
| EC50 72h - Algae [1]    | ≈ 2.01 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                   |
| EC50 72h - Algae [2]    | ≈ 1.29 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                   |
| NOEC (chronic)          | ≈ 0.35 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                     |
| NOEC chronic fish       | ≈ 0.38 mg/l Test organisms (species): other: Duration: '28 d'                                                                            |
| NOEC chronic algae      | ≈ 1.49 mg/l Source: ECHA                                                                                                                 |
| Toluene (108-88-3)      |                                                                                                                                          |
| LC50 - Fish [1]         | 5.5 mg/l Source: ECHA                                                                                                                    |
| EC50 - Crustacea [1]    | 3.78 mg/l Source: ECHA                                                                                                                   |
| EC50 72h - Algae [1]    | ≥ 134 mg/l Source: ECHA                                                                                                                  |
| ErC50 algae             | ≥ 84 mg/l Source : ECHA                                                                                                                  |
| LOEC (chronic)          | ≥ 2.76 mg/l 7 Days - Source : ECHA                                                                                                       |
| NOEC (chronic)          | 0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'                                                                   |
| NOEC chronic fish       | ≥ 1.39 mg/l Source : ECHA                                                                                                                |
| NOEC chronic crustacea  | ≈ 0.74 mg/l Source: ECHA                                                                                                                 |
| NOEC chronic algae      | ≥ 10 mg/l Sourc: ECHA                                                                                                                    |

## 12.2. Persistence and degradability

| Prolong - Supa Seal                                     |                    |
|---------------------------------------------------------|--------------------|
| Persistence and degradability                           | Rapidly degradable |
| Solvent naphtha (petroleum), medium aliph. (64742-88-7) |                    |
| Persistence and degradability                           |                    |

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|                                                                                                                                                                                                                                                                                                      |                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Xylene (1330-20-7)</b>                                                                                                                                                                                                                                                                            |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| Chemical oxygen demand (COD)                                                                                                                                                                                                                                                                         | > 2.56 – < 2.91 g O <sub>2</sub> /g substance           |
| <b>Solvent naphtha (petroleum), heavy arom. (64742-94-5)</b>                                                                                                                                                                                                                                         |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>Kerosine (petroleum) [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150°C to 290°C (320°F to 554°F).] (8008-20-6)</b> |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>Naphthalene (91-20-3)</b>                                                                                                                                                                                                                                                                         |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>ethylbenzene (100-41-4)</b>                                                                                                                                                                                                                                                                       |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>Cumene (98-82-8)</b>                                                                                                                                                                                                                                                                              |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>Toluene (108-88-3)</b>                                                                                                                                                                                                                                                                            |                                                         |
| Persistence and degradability                                                                                                                                                                                                                                                                        |                                                         |
| <b>12.3. Bioaccumulative potential</b>                                                                                                                                                                                                                                                               |                                                         |
| <b>Prolong - Supa Seal</b>                                                                                                                                                                                                                                                                           |                                                         |
| Bioaccumulative potential                                                                                                                                                                                                                                                                            | No additional information available                     |
| <b>Xylene (1330-20-7)</b>                                                                                                                                                                                                                                                                            |                                                         |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                      | > 3.155 – < 3.16 XYLENE @ 20 °C : ECHA                  |
| Partition coefficient n-octanol/water (Log Kow)                                                                                                                                                                                                                                                      | > 3.12 – < 3.2 XYLENE @ 20 °C and pH 7: ECHA            |
| <b>Solvent naphtha (petroleum), heavy arom. (64742-94-5)</b>                                                                                                                                                                                                                                         |                                                         |
| Partition coefficient n-octanol/water (Log Kow)                                                                                                                                                                                                                                                      | > 2.4 – < 6.5 @ 21 - 25 °C and pH 6.2 - 7; Source: ECHA |
| <b>Butanone oxime (96-29-7)</b>                                                                                                                                                                                                                                                                      |                                                         |
| Bioconcentration factor (BCF REACH)                                                                                                                                                                                                                                                                  | ≈ 5.8 Source: ECHA                                      |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                      | ≈ 0.63 @ 25 °C; Source: Echa                            |
| Partition coefficient n-octanol/water (Log Kow)                                                                                                                                                                                                                                                      | ≈ 0.63 Source: Echa                                     |
| Bioaccumulative potential                                                                                                                                                                                                                                                                            | Not readily biodegradable.                              |
| <b>Naphthalene (91-20-3)</b>                                                                                                                                                                                                                                                                         |                                                         |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                      | ≈ 3.7 At 25 °C; Source: ECHA                            |
| Partition coefficient n-octanol/water (Log Kow)                                                                                                                                                                                                                                                      | ≈ 3.4 At 25 °C and pH 7 - 7.5; Source: ECHA             |
| <b>ethylbenzene (100-41-4)</b>                                                                                                                                                                                                                                                                       |                                                         |
| BCF - Fish [1]                                                                                                                                                                                                                                                                                       | ≈ 110 l/kg Source: ECHA                                 |
| Partition coefficient n-octanol/water (Log Kow)                                                                                                                                                                                                                                                      | > 3.03 – < 3.6 @ 20 °C and pH 7.84; Source: ECHA        |

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| Cumene (98-82-8)                                |                              |
|-------------------------------------------------|------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | ≈ 3.55 @ 20 °C; Source: ECHA |

| Toluene (108-88-3)                              |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Kow) | 2.73 Source: HSDB |

### 12.4. Mobility in soil

| Prolong - Supa Seal |                                     |
|---------------------|-------------------------------------|
| Mobility in soil    | No additional information available |

| Xylene (1330-20-7)                                         |                              |
|------------------------------------------------------------|------------------------------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | ≈ 537 XYLENE: @ 20 °C : ECHA |

| Butanone oxime (96-29-7)                                   |                              |
|------------------------------------------------------------|------------------------------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | ≈ 3.52 at 20°C; Source: Echa |

| ethylbenzene (100-41-4)                                    |                       |
|------------------------------------------------------------|-----------------------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | ≈ 1331 at 20°C : ECHA |

| Toluene (108-88-3) |              |
|--------------------|--------------|
| Surface tension    | ≈ 27.73 mN/m |

### 12.5. Other adverse effects

|                       |                                       |
|-----------------------|---------------------------------------|
| Ozone                 | : Not classified                      |
| Other adverse effects | : No additional information available |

## SECTION 13: Disposal Considerations

### 13.1. Disposal methods

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |
| Additional information                     | : Flammable vapours may accumulate in the container. Do not re-use empty containers.                                                                                                                                                    |

## SECTION 14: Transport information

In accordance with SANS / UN RTDG / IMDG / IATA

| SANS                           | UN RTDG                  | IMDG                 | IATA                 |
|--------------------------------|--------------------------|----------------------|----------------------|
| 14.1. UN number                |                          |                      |                      |
| 1263                           | 1263                     | 1263                 | 1263                 |
| 14.2. UN Proper Shipping Name  |                          |                      |                      |
| PAINT RELATED MATERIAL         | KEROSENE                 | PAINT                | Paint                |
| Transport document description |                          |                      |                      |
| Not applicable                 | UN 1263 KEROSENE, 3, III | UN 1263 PAINT, 3, II | UN 1263 Paint, 3, II |

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| SANS                                                                              | UN RTDG                                                                                             | IMDG                                                                               | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>14.3. Transport hazard class(es)</b>                                           |                                                                                                     |                                                                                    |                                                                                     |
| 3                                                                                 | 3                                                                                                   | 3                                                                                  | 3                                                                                   |
|  | <br>Not applicable |  |  |
| <b>14.4. Packing group, if applicable</b>                                         |                                                                                                     |                                                                                    |                                                                                     |
| II                                                                                | III                                                                                                 | II                                                                                 | II                                                                                  |
| <b>14.5. Environmental hazards</b>                                                |                                                                                                     |                                                                                    |                                                                                     |
| Dangerous for the environment :<br>No                                             | Dangerous for the environment :<br>No                                                               | Dangerous for the environment :<br>No<br>Marine pollutant : No                     | Dangerous for the environment :<br>No                                               |
| No supplementary information available                                            |                                                                                                     |                                                                                    |                                                                                     |

### 14.6. Special precautions for user

#### SANS

|                                                                           |                  |
|---------------------------------------------------------------------------|------------------|
| Special provisions (SANS)                                                 | : 163, 187       |
| Limited quantities (SANS)                                                 | : 5 L            |
| Excepted quantities (SANS)                                                | : E2             |
| Packagings, large packagings and IBCs Packing instructions (SANS)         | : P001, IBC02    |
| Packagings, large packagings and IBCs Special packing instructions (SANS) | : PP1            |
| Portable tank and bulk containers instructions (SANS)                     | : T4             |
| Portable tank and bulk container special provisions (SANS)                | : TP1, TP8, TP28 |

#### UN RTDG

|                                                                 |                     |
|-----------------------------------------------------------------|---------------------|
| Special provisions (UN RTDG)                                    | : 363               |
| Limited quantities (UN RTDG)                                    | : 5L                |
| Excepted quantities (UN RTDG)                                   | : E1                |
| Packing instruction (UN RTDG)                                   | : P001, IBC03, LP01 |
| Portable tank and bulk container special instructions (UN RTDG) | : T2                |
| Portable tank and bulk container special provisions (UN RTDG)   | : TP2               |

#### IMDG

|                                    |                                                                       |
|------------------------------------|-----------------------------------------------------------------------|
| Special provisions (IMDG)          | : 163, 367                                                            |
| Limited quantities (IMDG)          | : 5 L                                                                 |
| Excepted quantities (IMDG)         | : E2                                                                  |
| Packing instructions (IMDG)        | : P001                                                                |
| Special packing provisions (IMDG)  | : PP1                                                                 |
| IBC packing instructions (IMDG)    | : IBC02                                                               |
| Tank instructions (IMDG)           | : T4                                                                  |
| Tank special provisions (IMDG)     | : TP1, TP8, TP28                                                      |
| EmS-No. (Fire)                     | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS     |
| EmS-No. (Spillage)                 | : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG)            | : B                                                                   |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition.                |

#### IATA

|                                |        |
|--------------------------------|--------|
| PCA Excepted quantities (IATA) | : E2   |
| PCA Limited quantities (IATA)  | : Y341 |

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|                                              |                 |
|----------------------------------------------|-----------------|
| PCA limited quantity max net quantity (IATA) | : 1L            |
| PCA packing instructions (IATA)              | : 353           |
| PCA max net quantity (IATA)                  | : 5L            |
| CAO packing instructions (IATA)              | : 364           |
| CAO max net quantity (IATA)                  | : 60L           |
| Special provisions (IATA)                    | : A3, A72, A192 |
| ERG code (IATA)                              | : 3L            |

### 14.7. Transport in bulk according to IMO instructions

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

#### 15.1.1. OCCUPATIONAL HEALTH AND SAFETY ACT, 1993

##### Prohibited Hazardous Chemical Agents

Not regulated

#### 15.1.2. National Environmental Management Act, 1998

##### Regulation No. 51358 (Prior Informed Consent Procedure Regulations, 2024)

Not regulated

### 15.2. Safety, health, and environmental national regulations specific for the product

State or local regulations : This product complies with South African legal lead limit of 90ppm or less.

## SECTION 16: Other information

|               |              |
|---------------|--------------|
| Issue date    | : 03/01/2023 |
| Revision date | : 23/06/2026 |
| Supersedes    | : 01/09/2025 |

### Full text of H-statements:

|      |                                              |
|------|----------------------------------------------|
| H225 | Highly flammable liquid and vapour           |
| H226 | Flammable liquid and vapour                  |
| H227 | Combustible liquid                           |
| H302 | Harmful if swallowed                         |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin                 |
| H315 | Causes skin irritation                       |
| H317 | May cause an allergic skin reaction          |
| H318 | Causes serious eye damage                    |
| H319 | Causes serious eye irritation                |
| H330 | Fatal if inhaled                             |
| H331 | Toxic if inhaled                             |
| H332 | Harmful if inhaled                           |
| H335 | May cause respiratory irritation             |
| H336 | May cause drowsiness or dizziness            |

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| Full text of H-statements: |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| H340                       | May cause genetic defects                                         |
| H350                       | May cause cancer                                                  |
| H351                       | Suspected of causing cancer                                       |
| H361                       | Suspected of damaging fertility or the unborn child               |
| H370                       | Causes damage to organs                                           |
| H371                       | May cause damage to organs                                        |
| H372                       | Causes damage to organs through prolonged or repeated exposure    |
| H373                       | May cause damage to organs through prolonged or repeated exposure |
| H400                       | Very toxic to aquatic life                                        |
| H410                       | Very toxic to aquatic life with long lasting effects              |
| H411                       | Toxic to aquatic life with long lasting effects                   |

Safety Data Sheet (SDS), South Africa (HCA)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.