

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

1.1. GHS product identifier

| | |
|-----------------|--------------------------|
| Product form | : Mixture |
| Trade name | : Dura - ZP Primer Black |
| Type of product | : Coatings |
| Product code | : ZPBLACK |
| 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

Use of the substance/mixture : Light industrial coating applications

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
Contact: Lizel Rosemann

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 3 | H226 |
| Skin corrosion/irritation, Category 2 | H315 |
| Skin sensitisation, Category 1 | H317 |
| Germ cell mutagenicity, Category 1B | H340 |
| Carcinogenicity, Category 1A | H350 |
| Reproductive toxicity, Category 2 | H361 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Specific target organ toxicity – Repeated exposure, Category 2 | H373 |
| Aspiration hazard, Category 1 | H304 |
| Hazardous to the aquatic environment – Acute Hazard, Category 3 | H402 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : May cause cancer, May cause genetic defects, Suspected of damaging fertility or the unborn child, May cause damage to organs through prolonged or repeated exposure, May cause drowsiness or dizziness, Harmful if inhaled, Causes skin irritation, May cause an allergic skin reaction, May be fatal if swallowed and enters airways, Harmful to aquatic life, Harmful to aquatic life with long lasting effects.

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

2.2. GHS label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)



Signal word (GHS-ZA)

: Danger

Hazardous ingredients

: Solvent naphtha (petroleum), light arom.; (Z)-octadec-9-en-1-aminium salts of tall-oil fatty acids; Fatty acids, C18-unsatd., trimers, compds. with oleylamine; hexane; Solvent naphtha (petroleum), light alph.; Toluene; benzene

Hazard statements (GHS ZA)

: H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H336 - May cause drowsiness or dizziness
H340 - May cause genetic defects (Inhalation, Dermal)
H350 - May cause cancer (Dermal, Inhalation)
H361 - Suspected of damaging the unborn child. (Dermal, Inhalation)
H373 - May cause damage to organs (Respiratory tract) through prolonged or repeated exposure (Inhalation)
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS ZA)

: P102 - Keep out of reach of children.
P203 - Obtain, read and follow all safety instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours, spray, mist.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves, protective clothing.
P331 - Do NOT induce vomiting.
P314 - Get medical advice/attention if you feel unwell
P501 - Dispose of container to recycling.

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 |
|---------|--------------------|------------|---|
| Xylene | CAS-No.: 1330-20-7 | 9 – 28.015 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. Not classified (Inhalation:dust,mist) Skin Irrit. 2, H315 STOT RE Not classified Aquatic Chronic Not classified |
| Toluene | CAS-No.: 108-88-3 | 9 – 28 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|----------------------|------------|--|
| Kaolin | CAS-No.: 1332-58-7 | 18 – 25 | Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. 4 (Inhalation:dust,mist), H332 |
| Solvent naphtha (petroleum), light aliph. | CAS-No.: 64742-89-8 | 3 – 14 | Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 |
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | - | 5 – 10.5 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413 |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS-No.: 64742-48-9 | 5 – 9 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 |
| hexane | CAS-No.: 110-54-3 | 0.3 – 3.2 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Carbon black | CAS-No.: 1333-86-4 | 0.5 – 1 | Carc. 2, H351 STOT RE Not classified Aquatic Acute Not classified |
| Solvent naphtha (petroleum), light arom. | CAS-No.: 64742-95-6 | 0.15 – 0.4 | Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Fatty acids, C18-unsatd., trimers, compds. with oleylamine | CAS-No.: 147900-93-4 | 0.15 – 0.4 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 2, H411 |
| benzene | CAS-No.: 71-43-2 | 0.03 – 0.4 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Asp. Tox. 1, H304 |
| (Z)-octadec-9-en-1-aminium salts of tall-oil fatty acids | CAS-No.: 85711-55-3 | 0.1 – 0.2 | Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373 |

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a physician immediately. |
| 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 | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

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.

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
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.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

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

6.1.1. For non-emergency personnel

Emergency procedures : 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".

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 : Collect spillage.
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. 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. Wear personal protective equipment. 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.

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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 [ppm] | 300 ppm |
| RHCA - STEL/C [ppm] | 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 ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL STEL | 435 mg/m ³ |
| OEL STEL [ppm] | 100 ppm |
| Remark | Sk (Danger of cutaneous absorption) |
| Regulatory reference | Government Notice No. R 904 |
| South Africa - Biological limit values | |
| Local name | Xylenes |
| BEI | 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| hexane (110-54-3) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | n-Hexane |
| RHCA - STEL/C [ppm] | 100 ppm |
| Remark | SKIN (danger of cutaneous absorption) |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | n-Hexane |
| OEL TWA | 70 mg/m ³ |
| OEL TWA [ppm] | 20 ppm |
| Regulatory reference | Government Notice No. R 904 |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| hexane (110-54-3) | |
|--|--|
| South Africa - Biological limit values | |
| Local name | n-Hexane |
| BEI | 0.4 mg/l Parameter: 2,5-Hexanedione - Medium: urine - Sampling time: End of shift at end of workweek |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| Toluene (108-88-3) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Toluene |
| OEL eight hour TWA [ppm] | 150 ppm |
| OEL eight hour TWA | 560 mg/m ³ |
| RHCA - STEL/C [ppm] | 40 ppm 50 ppm |
| RHCA - STEL/C | 188 mg/m ³ |
| Remark | SKIN (danger of cutaneous absorption) Sk |
| Regulatory reference | Government Notice No. R. 280, 2021 Government Notice. R: 1179 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Toluene |
| OEL TWA | 188 mg/m ³ |
| OEL TWA [ppm] | 50 ppm |
| OEL STEL | 560 mg/m ³ |
| OEL STEL [ppm] | 150 ppm |
| Remark | Sk (Danger of cutaneous absorption) |
| Regulatory reference | Government Notice No. R 904 |
| South Africa - Biological limit values | |
| Local name | Toluene |
| BEI | 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift 0.3 mg/g creatinine Parameter: o-Cresol - Medium: urine - Sampling time: End of shift - Notations: B (background) |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| benzene (71-43-2) | |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Benzene |
| OEL TWA | 3 mg/m ³ |
| OEL TWA [ppm] | 1 ppm |
| Regulatory reference | Government Notice No. R 904 |
| Carbon black (1333-86-4) | |
| South Africa - Occupational Exposure Limits (Restricted Limits) | |
| Local name | Carbon black |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| Carbon black (1333-86-4) | |
|---|---|
| RHCA - STEL/C | 6 mg/m ³ (I: inhalable fraction) |
| Remark | CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B) |
| Regulatory reference | Government Notice No. R. 280, 2021 |
| South Africa - Occupational Exposure Limits (Airborne Pollutants) | |
| Local name | Carbon black |
| OEL TWA | 4 mg/m ³ |
| OEL STEL | 7 mg/m ³ |
| Regulatory reference | Government Notice No. R 904 |

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 : Semi Gloss.
Colour : Black.
Odour : No data available
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 : > 96 – < 135 °C
Flash point : ≈ 23 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability : 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 : ≈ 1.17
Relative density of saturated gas/air mixture : No data available
Density : ≈ 1.35

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| | |
|---|--|
| 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 | : < 2 mm ² /s Temperature: 40 degrees C (ASTM D-4052) |
| Viscosity, dynamic | : > 500 – < 650 cP |
| 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 | : Semi Gloss. |

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

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

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) | : Not classified |

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)

| | |
|--------------------|---|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

| | |
|--------------------|---|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| Xylene (1330-20-7) | |
|--|---|
| LD50 oral rat | ≈ 3523 mg/kg bodyweight |
| LD50 dermal rabbit | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other: |
| LC50 Inhalation - Rat | ≈ 27.124 mg/l Source: ECHA |
| Solvent naphtha (petroleum), light arom. (64742-95-6) | |
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| (Z)-octadec-9-en-1-aminium salts of tall-oil fatty acids (85711-55-3) | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other., Remarks on results: other: |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat | ≈ 5.61 mg/l Source: ECHA |
| Toluene (108-88-3) | |
| LD50 oral rat | 5580 mg/kg Source: ECHA |
| LD50 dermal rabbit | > 5000 mg/kg Source: ECHA |
| LC50 Inhalation - Rat (Vapours) | > 20 mg/l Source: ECHA |
| Kaolin (1332-58-7) | |
| LD50 oral rat | > 5000 mg/kg Source: HSDB |
| LD50 dermal rat | > 5000 mg/kg Source: HSDB |
| LC50 Inhalation - Rat (Dust/Mist) | ≥ 5 mg/l Source: OSHRI GLP toxicity test |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : May cause genetic defects (Inhalation, Dermal). |
| Carcinogenicity | : May cause cancer (Dermal, Inhalation). |
| Reproductive toxicity | : Suspected of damaging the unborn child. (Dermal, Inhalation). |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| Solvent naphtha (petroleum), light arom. (64742-95-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. May cause respiratory irritation. |
| hexane (110-54-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| Toluene (108-88-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : May cause damage to organs (Respiratory tract) through prolonged or repeated exposure (Inhalation). |
| Xylene (1330-20-7) | |
| 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) |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| (Z)-octadec-9-en-1-aminium salts of tall-oil fatty acids (85711-55-3) | |
|---|--|
| NOAEL (oral, rat, 90 days) | 7.1 – 21.9 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Fatty acids, C18-unsatd., trimers, compds. with oleylamine (147900-93-4) | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| hexane (110-54-3) | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| LOAEC (inhalation, rat, vapour, 90 days) | ≈ 1.402 mg/l |
| NOAEC (inhalation, rat, gas, 90 days) | ≈ 1402 mg/l Specimen: Rat - 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, 90 days) | ≈ 625 mg/kg bodyweight/day Rat |
| NOAEC (inhalation, rat, gas, 90 days) | 1.131 – 2.355 mg/l Air, Source: ECHA |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| benzene (71-43-2) | |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
| Carbon black (1333-86-4) | |
| LOAEC (inhalation, rat,dust/mist/fume, 90 days) | 0.0071 mg/l air Animal: rat, Animal sex: male |
| NOAEL (oral, rat, 90 days) | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.0011 mg/l air Animal: rat, Animal sex: male |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Dura - ZP Primer Black | |
| Viscosity, kinematic | < 2 mm ² /s Temperature: 40 degrees C (ASTM D-4052) |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : Harmful to aquatic life. Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Harmful to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | |
|--|---|
| NOEC (chronic) | 0.011 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Xylene (1330-20-7) | |
| EC50 - Crustacea [1] | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia |
| LOEC (chronic) | 3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| Xylene (1330-20-7) | |
|--|--|
| NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |
| (Z)-octadec-9-en-1-aminium salts of tall-oil fatty acids (85711-55-3) | |
| LOEC (chronic) | 4.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Solvent naphtha (petroleum), light aliph. (64742-89-8) | |
| EC50 - Crustacea [1] | ≈ 4.5 mg/l EL50 value Source: ECHA |
| NOEC chronic fish | ≈ 2.6 mg/l |
| Toluene (108-88-3) | |
| LC50 - Fish [1] | 5.5 mg/l Source: ECHA |
| EC50 - Crustacea [1] | 3.78 mg/l Source: ECHA |
| NOEC chronic crustacea | ≈ 0.74 mg/l Source: ECHA |
| Carbon black (1333-86-4) | |
| EC50 72h - Algae [1] | > 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | > 10000 mg/l Test organisms (species): |

12.2. Persistence and degradability

| Dura - ZP Primer Black | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |

12.3. Bioaccumulative potential

| Dura - ZP Primer Black | |
|-------------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |

| hexane (110-54-3) | |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | ≈ 4 20 °C and pH 7 - Source: ECHA |

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

| benzene (71-43-2) | |
|---|---------------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | ≈ 2.13 Temperature: 20°C Source: ECHA |

12.4. Mobility in soil

| Dura - ZP Primer Black | |
|-------------------------------|-------------------------------------|
| Mobility in soil | No additional information available |

12.5. Other adverse effects

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

SECTION 13: Disposal Considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.




Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS | IMDG | IATA |
|---|---|---|
| 14.1. UN number | | |
| 1263 | 1263 | 1263 |
| 14.2. UN Proper Shipping Name | | |
| PAINT RELATED MATERIAL | PAINT RELATED MATERIAL | Paint related material |
| 14.3. Transport hazard class(es) | | |
| 3 | 3 | 3 |
|  |  |  |
| 14.4. Packing group, if applicable | | |
| III | III | III |
| 14.5. Environmental hazards | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
| No supplementary information available | | |

14.6. Special precautions for user

SANS

| | |
|---|---------------------|
| Special provisions (SANS) | : 163, 187, 223 |
| Limited quantities (SANS) | : 5 L |
| Limited quantities (SANS) | : 5 L |
| Packagings, large packagings and IBCs Packing instructions (SANS) | : P001, IBC03, LP01 |
| Packagings, large packagings and IBCs Special packing instructions (SANS) | : PP1 |
| Portable tank and bulk containers instructions (SANS) | : T2 |
| Portable tank and bulk container special provisions (SANS) | : TP1, TP29 |

IMDG

| | |
|------------------------------------|---|
| Special provisions (IMDG) | : 163, 223, 367, 955 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P001, LP01 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T2 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| 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) | : A |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition. |

IATA

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
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. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 23/02/2023
Revision date : 23/02/2023
Supersedes : 23/02/2023

Full text of H-statements:

| | |
|------|---|
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| 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 |
| 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 |
| H402 | Harmful to aquatic life |

Dura - ZP Primer Black

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8

| Full text of H-statements: | |
|----------------------------|--|
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| H413 | May cause long lasting harmful effects to aquatic life |

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.