

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 8 Issue date: 5/29/2023 Version: 1.0

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

1.1. GHS product identifier

Product form	: Mixture
Trade name	: Dura - ZCP Primer - Red Oxide
Type of product	: Coatings
Product code	: ZCPRED
Product group	: Blend

1.2. Other means of identification

No additional information available

1.3. Recommende	d use of the chemical	and restrictions on use
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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

Classification according to the United Nations GHS

Flammable liquids, Category 2	H225
Acute toxicity (inhalation:dust,mist) Category 4	H332
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 – Chronic Hazard, Category 2	H411
Full text of H-statements: see section 16	
Adverse physicochemical, human health and : Highly flamma	ble liquid
environmental effects defects,Suspe	cted of d

Highly flammable liquid and vapour,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 with long lasting effects.

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 ÷ Diiron trioxide; Solvent naphtha (petroleum), light aliph.; N-hexane; benzene; Toluene; 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; Talc /Talc containing no asbestos fibers/; Methyl Ethyl Ketoxime; Kaolin Hazard statements (GHS ZA) : H225 - Highly flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H317 - May cause an allergic skin reaction H332 - Harmful if inhaled H336 - May cause drowsiness or dizziness H340 - May cause genetic defects (Dermal, Inhalation) H350 - May cause cancer (Dermal, Inhalation) H361 - Suspected of damaging fertility, Suspected of damaging the unborn child. (Dermal, Inhalation) H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation) H411 - Toxic to aquatic life with long lasting effects Precautionary statements (GHS ZA) : 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 dust, mist, vapours. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, face protection, protective gloves. P319 - Get medical help if you feel unwell. P331 - Do NOT induce vomiting. P263 - Avoid contact during pregnancy and while nursing. 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
Solvent naphtha (petroleum), light aliph.	CAS-No.: 64742-89-8	10.5 – 25.8	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Safety Data Sheet

Name	Product identifier	%	Classification according to the United Nations GHS
Xylene	CAS-No.: 1330-20-7	6 – 21.01	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	6 – 21	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Kaolin	CAS-No.: 1332-58-7	10 – 18	Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. 4 (Inhalation:dust,mist), H332
Talc /Talc containing no asbestos fibers/	CAS-No.: 14807-96-6	5 – 10	Acute Tox. Not classified (Oral) Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Aquatic Acute Not classified
Diiron trioxide	CAS-No.: 1309-37-1	< 7.6	Acute Tox. Not classified (Oral) STOT RE 2, H373
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	-	2.5 – 7	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	2.5 – 6	Flam. Liq. 3, H226 Asp. Tox. 1, H304
N-hexane	CAS-No.: 110-54-3	1.7 – 5.1	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
Methyl Ethyl Ketoxime	CAS-No.: 96-29-7	0.0995 – 0.995	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 2, H411

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
Solvent naphtha (petroleum), light arom.	CAS-No.: 64742-95-6	0.03 – 0.5	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	0.03 – 0.5	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 2, H411

SECTION 4: First aid measures	
4.1. Description of necessary first aid mea	sures
First-aid measures general First-aid measures after inhalation	 Call a physician immediately. 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.
4.2. Most important symptoms/effect, acut	e and delayed
Symptoms/effects Symptoms/effects after skin contact Symptoms/effects after ingestion	 May cause drowsiness or dizziness. Irritation. May cause an allergic skin reaction. Risk of lung oedema.
4.3. Indication of immediate medical attent	tion and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguishing	g media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Specific hazards arising from the chen	nical			
Fire hazard Hazardous decomposition products in case of fire	Highly flammable liquid and vapour.Toxic fumes may be released.			
5.3. Special protective actions for fire-fight	ers			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release	e measures
6.1. Personal precautions, protect	ctive equipment and emergency procedures
6.1.1. For non-emergency personnel	
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.

Safety Data Sheet

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

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 au	thorities if product enters sewers or public waters.
6.3. Methods and materials for cont	ainment and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

Other information :	public waters. 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. 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, includ	ing any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Storage conditions

Diiron trioxide (1309-37-1)		
South Africa - Occupational Exposure Limits (Restr	icted Limits)	
ocal name Iron oxide fume		
RHCA - STEL/C	10 mg/m³ (R: respirable fraction) [as Fe]	
Regulatory reference Government Notice No. R. 280, 2021		
South Africa - Occupational Exposure Limits (Airborne Pollutants)		
Local name	Iron oxide	
OEL TWA	5 mg/m ³ dust and fume [as Fe]	
OEL STEL	10 mg/m³ dust and fume [as Fe]	
Regulatory reference Government Notice No. R 904		
N-hexane (110-54-3)		
South Africa - Occupational Exposure Limits (Restricted Limits)		
Local name n-Hexane		

Safety Data Sheet

Remark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280. 2021 South Africa - Occupational Exposure Limits (Airborne Politants) Internet Notice No. R. 280. 2021 OEL TWA 70 mg/m ² OEL TWA (ppm) 20 ppm Regulatory reference Government Notice No. R. 904 South Africa - Biological limit values Internet Notice No. R. 904 Local name n-Hexane BEI 0.4 mg/ Parameter: 2, S-Hexanedione - Medium: unne - Sampling time: End of shift at end of workweek Regulatory reference Covernment Notice No. R. 280, 2021 Sythen (1330-20-7) South Africa - Occupational Exposure Limits (Restrict Limits) Local name Xylene, o-, m., p- or mixed isomers OEL eight hour TWA (ppm] 300 ppm Remark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Nettorne Portixed isomers Second Africa - Second Secon	N-hexane (110-54-3)		
Regulatory reference Government Notice No. R. 200. 2021 South Africa - Occupational Exposure Limits (AHDore No. Reductions) n-Hexane DEL TWA 70 mg/m³ OEL TWA (ppm) 20 ppm Regulatory reference Government Notice No. R 904 South Africa - Biological limit values - Hexane Local name n-Hexane BEI 0.4 mg1 Parameter: 2,5-Hexanedione - Medium: urine - Sampling time: End of shift at end of workweek Regulatory reference Government Notice No. R. 200. 2021 Xylene (1330-20-7) South Africa - Occupational Exposure Limits (Restrict Limits) Local name Xylene, o-, m. p- or mixed isomers OEL eight hour TWA (ppm) 300 ppm Renark SKIN (danger of cutaneous absorption) Renark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280. 2021 South Africa - Occupational Exposure Limits (AHDORENDERDED) South Africa - Occupational Exposure Limits (AHDORENDE) Local name Xylene, o-, m. p- or mixed isomers OEL TWA 218 mg/m³ OEL TWA (ppm) 50 ppm OEL TWA (ppm) 50 ppm	RHCA - STEL/C [ppm]	100 ppm	
South Africa - Occupational Exposure Limits (Althoure Pollutants) Local name n-Hoxane OEL TWA 70 mg/m³ OEL TWA (ppm) 20 ppm Regulatory reference Government Notice No. R 904 South Africa - Biological limit values n-Hoxane Local name n-Hoxane BEI 0.4 mg1 Parameter: 2.5-Hexanedione - Medium: urine - Sampling time: End of shift at end of workweek Regulatory reference Government Notice No. R 280, 2021 Xylence (133D-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 Redack yr feference Government Notice No. R 280, 2021 South Africa - Occupational Exposure Limits (Altrouger of cutaneous absorption) Regulatory reference Government Notice No. R 280, 2021 South Africa - Occupational Exposure Limits (Altrouger of cutaneous absorption) Local name Xylene, o., m., p. or mixed isomers OEL TWA (ppm) 50 ppm OEL STEL (ppm) 400 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904<	Remark	SKIN (danger of cutaneous absorption)	
Local name n-Hexare OEL TWA 70 mg/m³ OEL TWA 70 mg/m³ Regulatory reference Government Notice No. R 904 South Africa - Biological limit values	Regulatory reference	Government Notice No. R. 280, 2021	
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OEL TWA [ppm] 20 pm Regulatory reference Government Notice No. R 904 South Africa - Biological limit values n-Hexane Local name 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 Xylene (1330-20-7) South Africa - Occupational Exposure Limits (Rest-Vertice Vertice) Local name Xylene, o., m., p. or mixed isomers OEL eight hour TWA [ppm] 300 ppm Ref.A - STEL/C [ppm] 200 ppm Remark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (AII-Ver Politutatis) Stomer Notice No. R. 280, 2021 Local name SkiN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (AII-Ver Politutatis) Stomer Notice No. R. 280, 2021 Local name Xylene, o., m., p. or mixed isomers OEL TWA 218 mg/m² Cel STEL (ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regul	Local name	n-Hexane	
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South Africe - 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 Xylene (1330-20-7) South Africa - Occupational Exposure Limits (Restricted Limits) Local name Xylene, or, m., p. or mixed isomers OEL eight hour TWA (ppm) 200 ppm RHCA - STEL/C (ppm] 200 ppm Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Airborne Polutaneous absorption) Regulatory reference Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Airborne Polutants) Local name Local name Xylene, or, m., p. or mixed isomers OEL TWA 218 mg/m² OEL TWA 50 ppm OEL STEL (ppm] 50 ppm OEL STEL (ppm] 50 ppm OEL STEL (ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values	OEL TWA [ppm]	20 ppm	
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BEI 0.4 mgil Parameter: 2.5-Hexanedione - Medium: urine - Sampling time: End of shift at end of workweek Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Restructional Cocupational Exposure Limits (Autometer No. R. 280, 2021) South Africa - Occupational Exposure Limits (Autometer No. R. 280, 2021) Cecla name Mylane, o., m., p. or mixed isomers OEL eight hour TWA (ppm) 200 ppm Remark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Alt/DUP) Velene, o., m., p. or mixed isomers Sectional Exposure Limits (Alt/DUP) CeL TWA 218 mg/m³ 218 mg/m³ Sectional Exposure Limits (Micro No. R. 280, 2021) CeL TWA 218 mg/m³ 218 mg/m³ 218 mg/m³ OEL TWA (ppm] 50 ppm 50 ppm OEL STEL (ppm] 100 ppm 218 mg/m³ CeL TWA (popt) 50 ppm 50 ppm OEL STEL (ppm] 100 ppm 218 mg/m³ Remark 5k (Danger of cutaneous absorption) 300 ppm Regulatory reference Government Notice No. R 904 50 ppm South Africa - Siolog	South Africa - Biological limit values	·	
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South Africa - Occupational Exposure Limits (Rest-// Limits) Local name Xylene, or, 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 (Air/	Regulatory reference	Government Notice No. R. 280, 2021	
Local name Xylene, or, mr, 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 (Airtore Pollutants) Local name Valene, or, mr, p- or mixed isomers 218 mg/m ³ OEL TWA 218 mg/m ³ OEL TWA [ppm] 50 ppm OEL STEL 435 mg/m ³ OEL STEL [ppm] 100 ppm Remark 5k (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Joig per sellnine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift Regulatory reference Government Notice No. R. 280, 2021 Toluene (108-88-3) South Africa - Occupational Exposure Limits (Restructed Limits) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA [ppm] 150 ppm	Xylene (1330-20-7)		
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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 (AHDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	Local name	Xylene, o-, m-, p- or mixed isomers	
Remark SKIN (danger of cutaneous absorption) Regulatory reference Government Notice No. R. 280, 2021 South Africa - Occupational Exposure Limits (Airborne Pollutants) Vylene, or, mr., p- or mixed isomers Local name Xylene, or, mr., p- or mixed isomers OEL TWA 218 mg/m³ OEL TWA 50 ppm OEL STEL 435 mg/m³ OEL STEL (ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Xylenes Local name Xylenes BEl 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift Regulatory reference Government Notice No. R 280, 2021 Toluene (108-88-3) Suth Africa - Occupational Exposure Limits (Rest-tel Limits) Local name Toluene OEL eight hour TWA (ppm] 150 ppm OEL eight hour TWA (ppm] 150 ppm	OEL eight hour TWA [ppm]	300 ppm	
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South Africa - Occupational Exposure Limits (Airborne Pollutants) Local name Xylene, or, m-, p- or mixed isomers OEL TWA 218 mg/m³ OEL TWA [ppm] 50 ppm OEL STEL 435 mg/m³ OEL STEL [ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Uccal name 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 Toluene (108-88-3) Toluene South Africa - Occupational Exposure Limits (Restricted Limits) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA [ppm] 560 mg/m³ OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm \$0 ppm	Remark	SKIN (danger of cutaneous absorption)	
Local name Xylene, o., m., p. or mixed isomers OEL TWA 218 mg/m³ OEL TWA [ppm] 50 ppm OEL STEL 435 mg/m³ OEL STEL [ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Xylenes 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 Toluene (108-88-3) South Africa - Occupational Exposure Limits (RetTutints) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm \$0 ppm	Regulatory reference	Government Notice No. R. 280, 2021	
OEL TWA 218 mg/m³ OEL TWA [ppm] 50 ppm OEL STEL 435 mg/m³ OEL STEL (ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Vienes Local name Xylenes BEl 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift Regulatory reference Government Notice No. R. 280, 2021 Toluene (108-88-3) South Africa - Occupational Exposure Limits (RetToluent) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm \$0 ppm	South Africa - Occupational Exposure Limits (Airbo	prne Pollutants)	
OEL TWA [ppm] 50 ppm OEL STEL 435 mg/m³ OEL STEL (ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Vigenes 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 Toluene (108-88-3) South Africa - Occupational Exposure Limits (Rest-ted Limits) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm S0 ppm	Local name	Xylene, o-, m-, p- or mixed isomers	
OEL STEL435 mg/m³OEL STEL [ppm]100 ppmRemarkSk (Danger of cutaneous absorption)Regulatory referenceGovernment Notice No. R 904South Africa - Biological limit valuesLocal nameXylenesBEI1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shiftRegulatory referenceGovernment Notice No. R. 280, 2021Toluene (108-88-3)South Africa - Occupational Exposure Limits (Rest-ted Limits)Local nameTolueneOEL eight hour TWA [ppm]150 ppmOEL eight hour TWA560 mg/m³RHCA - STEL/C [ppm]40 ppm \$0 ppm	OEL TWA	218 mg/m³	
OEL STEL [ppm] 100 ppm Remark Sk (Danger of cutaneous absorption) Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Jens 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 Toluene (108-88-3) South Africa - Occupational Exposure Limits (Restructed Limits) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm So ppm 50 ppm	OEL TWA [ppm]	50 ppm	
RemarkSk (Danger of cutaneous absorption)Regulatory referenceGovernment Notice No. R 904South Africa - Biological limit valuesLocal nameXylenesBEI1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shiftRegulatory referenceGovernment Notice No. R. 280, 2021Toluene (108-88-3)South Africa - Occupational Exposure Limits (Rest-ted Limits)Local nameTolueneOEL eight hour TWA [ppm]150 ppmOEL eight hour TWA560 mg/m³RHCA - STEL/C [ppm]40 ppm 50 ppm	OEL STEL	435 mg/m³	
Regulatory reference Government Notice No. R 904 South Africa - Biological limit values Xylenes 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 Toluene (108-88-3) Government Notice No. R 280, 2021 South Africa - Occupational Exposure Limits (Restricted Limits) Toluene Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm s0 ppm	OEL STEL [ppm]	100 ppm	
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 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/m³ RHCA - STEL/C [ppm] 40 ppm so ppm	Remark	Sk (Danger of cutaneous absorption)	
Local nameXylenesBEI1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shiftRegulatory referenceGovernment Notice No. R. 280, 2021Toluene (108-88-3)South Africa - Occupational Exposure Limits (Restricted Limits)Local nameTolueneOEL eight hour TWA [ppm]150 ppmOEL eight hour TWA560 mg/m³RHCA - STEL/C [ppm]40 ppm 50 ppm	Regulatory reference	Government Notice No. R 904	
BEI 1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift Regulatory reference Government Notice No. R. 280, 2021 Toluene (108-88-3) Toluene South Africa - Occupational Exposure Limits (Restricted Limits) Toluene Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm 50 ppm	South Africa - Biological limit values		
of shiftRegulatory referenceGovernment Notice No. R. 280, 2021Toluene (108-88-3)South Africa - Occupational Exposure Limits (Restricted Limits)Local nameTolueneOEL eight hour TWA [ppm]150 ppmOEL eight hour TWA560 mg/m³RHCA - STEL/C [ppm]40 ppm 50 ppm	Local name	Xylenes	
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/m³ RHCA - STEL/C [ppm] 40 ppm 50 ppm	BEI		
South Africa - Occupational Exposure Limits (Restricted Limits) Local name Toluene OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm 50 ppm	Regulatory reference	Government Notice No. R. 280, 2021	
Local nameTolueneOEL eight hour TWA [ppm]150 ppmOEL eight hour TWA560 mg/m³RHCA - STEL/C [ppm]40 ppm s0 ppm	Toluene (108-88-3)		
OEL eight hour TWA [ppm] 150 ppm OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm 50 ppm	South Africa - Occupational Exposure Limits (Restricted Limits)		
OEL eight hour TWA 560 mg/m³ RHCA - STEL/C [ppm] 40 ppm 50 ppm	Local name	Toluene	
RHCA - STEL/C [ppm] 40 ppm 50 ppm	OEL eight hour TWA [ppm]	150 ppm	
50 ppm	OEL eight hour TWA	560 mg/m³	
RHCA - STEL/C 188 mg/m ³	RHCA - STEL/C [ppm]		
	RHCA - STEL/C	188 mg/m ³	

Safety Data Sheet

Toluene (108-88-3)		
Remark	SKIN (danger of cutaneous absorption) Sk	
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179	
South Africa - Occupational Exposure Limits (Air	borne Pollutants)	
Local name	Toluene	
OEL TWA	188 mg/m³	
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	
Talc /Talc containing no asbestos fibers/ (1	4807-96-6)	
South Africa - Occupational Exposure Limits (Ma	ximum Limits)	
Local name	Talc (containing asbestos fibres)	
RHCA - OEL [ppm]	0.6 fibers/mL (measured over a continuous 10-minute period)	
RHCA - STEL/C [ppm]	0.1 fibers/mL	
Remark	CARC (denotes carcinogenicity, which is based on GHS categorisation, including category 1A and 1B)	
Regulatory reference	Government Notice No. R. 280, 2021; Government Notice No. R. 11196, 2020	
South Africa - Occupational Exposure Limits (Re	stricted Limits)	
Local name	Talc (containing no asbestos fibers)	
RHCA - STEL/C	 4 mg/m³ (E: the value is for particulate matter containing no asbestos and ≤ 1% crystalline silica, R: respirable fraction) 10 mg/m³ total inhalable dust 1 mg/m³ respirable dust 	
Regulatory reference	Government Notice No. R. 280, 2021 Government Notice. R: 1179	
South Africa - Occupational Exposure Limits (Airborne Pollutants)		
Local name	Talc	
OEL TWA	10 mg/m³ inhalable particulate 1 mg/m³ respirable particulate	
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.	

Safety Data Sheet

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

8.3. Individual protection measures, such as personal protective equipment

Hand protection

- : Protective gloves
- Eye protection
- Skin and body protection
- Respiratory protection

Personal protective equipment symbol(s)



- : Safety glasses
- : Wear suitable protective clothing
- : [In case of inadequate ventilation] wear respiratory protection.

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 : Red. Odour : No data available Odour threshold : No data available : No data available pН : No data available pH solution 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 : > -20 - < 260 °C Boiling point : ≈-40 °C Flash point Auto-ignition temperature : No data available : No data available Decomposition temperature : Highly flammable liquid and vapour. Flammability : No data available Vapour pressure Vapour pressure at 50°C : No data available Relative vapour density at 20°C : No data available F F

Relative density	: > 1.11 - < 1.16
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	: ≈1 mm²/s
Viscosity, dynamic	: > 330 - < 440 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	· Sami Class

Appearance : Semi Gloss.

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

No additional information available

Safety Data Sheet

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

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 (dermal)	Not classified Not classified Harmful if inhaled.	
Dura - ZCP Primer - Red Oxide		
ATE ZA (dust, mist)	3.061 mg/l/4h	
Diiron trioxide (1309-37-1)		
LD50 oral	> 5000 mg/kg bodyweight Animal: , Guideline: EU Method B.1 (Acute Toxicity (Oral))	
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	
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% arou	matics	
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)	
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	

Safety Data Sheet

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	
Solvent naphtha (petroleum), light arom. (647		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
Talc /Talc containing no asbestos fibers/ (148	07-96-6)	
LD50 oral rat	> 5000 mg/l Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 Inhalation - Rat	 > 2.1 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) 	
Methyl Ethyl Ketoxime (96-29-7)		
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)	
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	
	May cause an allergic skin reaction.	
	May cause genetic defects (Dermal, Inhalation).	
	May cause cancer (Dermal, Inhalation). Suspected of damaging fertility, Suspected of damaging the unborn child. (Dermal,	
	Inhalation).	
STOT-single exposure :	May cause drowsiness or dizziness.	
N-hexane (110-54-3)		
STOT-single exposure	May cause drowsiness or dizziness.	
Toluene (108-88-3)	<u> </u>	
STOT-single exposure	May cause drowsiness or dizziness.	
Solvent naphtha (petroleum), light arom. (647	42-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
Methyl Ethyl Ketoxime (96-29-7)		
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.	
STOT-repeated exposure :	May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).	
Diiron trioxide (1309-37-1)		
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	0.2102 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.03 mg/l air Animal: rat, Animal sex: male	

Safety Data Sheet

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

Diiron trioxide (1309-37-1)		
STOT-repeated exposure	May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).	
Solvent naphtha (petroleum), light aliph. (6474	12-89-8)	
LOAEC (inhalation, rat, vapour, 90 days)	≈ 1.402 mg/l	
NOAEC (inhalation, rat, gas, 90 days)	≈ 1402 mg/l Specimen: Rat - Source: ECHA	
N-hexane (110-54-3)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
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)	
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.	
Fatty acids, C18-unsatd., trimers, compds. wit	h oleylamine (147900-93-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Talc /Talc containing no asbestos fibers/ (148	07-96-6)	
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Methyl Ethyl Ketoxime (96-29-7)		
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: other:	
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.	
Aspiration hazard :	May be fatal if swallowed and enters airways.	
Dura - ZCP Primer - Red Oxide		
Viscosity, kinematic	≈ 1 mm²/s	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Hazardous to the aquatic environment, short–term		Harmful to aquatic life with long lasting effects. Not classified
(acute) Hazardous to the aquatic environment, long–term (chronic)	:	Toxic to aquatic life with long lasting effects.

Safety Data Sheet

EC50 - Crustacea [1] > 100 mg1 Test organisms (species): Daphnia magna EC50 - Other aqualic organisms [1] > 100 mg1 Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphdoceis subcapitata, Senastrum capricomutum) Solvent naphtha (petroleum), light allph. (64742-89-8) EC50 - Chustacea [1] = 4.5 mg1 EL50 value Source: ECHA NOEC chronic flah = 2.8 mg1 Hydrocarbons, C11-C12, isoalkanos, <2% aromatics NOEC (chronic) 0.011 mg1 Test organisms (species): Ceriodaphnia dubia LOEC (chronic) 0.011 mg1 Test organisms (species): Carlodaphnia dubia LOEC (chronic) 0.011 mg1 Test organisms (species): Condynchus mysiss (ravious name: Salmo gairdneni) Duration: '51 d' NOEC (chronic) 3.16 mg1 Test organisms (species): Condynchus mysiss (ravious name: Salmo gairdneni) Duration: '56 d' Toluene (108-88-3) EC50 - Chustacea [1] 5.3 mg1 Source: ECHA EC50 - Chustacea [1] 5.7 mg1 Source: ECHA EC50 - Chustacea [1] 3.78 mg1 Source: ECHA EC50 - Chustacea [1] 8.78 mg1 Source: ECHA EC50 - Chustacea [1] 8.78 mg1 Source: ECHA EC50 - Chustacea [1] 8.78 mg1 Source: ECHA EC50 - Chustacea [1] 7.27 mg1 Test organisms (species): other: LC50 - Fils [1] EC50 - Chustacea [1] 7.27 mg1 Test organisms (species): other: EC50 - Chustacea [1]	Diiron trioxide (1309-37-1)		
EC50 72h - Agae [1] > 20 mgl Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocolis subcapitata, Selenastrum capricomutum) Solvent naphtha (petroleum), light aliph. (64742-89-8) EC50 - Coustacea [1] < 4.5 mgl EL50 value Source: ECHA	EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna	
Solvent naphtha (petroleum), light aliph. (64742-89-8) EC50 - Crustacea [1] 4.5 mgl EL50 value Source: ECHA. NOEC chronic fish 2.6 mgl Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):	
EC50 - Crustacea [1] + 4.5 mg/l EL50 value Source: ECHA NOEC chronic fish = 2.6 mg/l Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC50 72h - Algae [1]		
NOEC chronic fish = 2.6 mg/l Hydrocarbons, C11-C12, Isoalkanes, <2% aromatics	Solvent naphtha (petroleum), light aliph. (6474	42-89-8)	
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC50 - Crustacea [1]	≈ 4.5 mg/l EL50 value Source: ECHA	
NOEC (chronic) 0.011 mgil Test organisms (species): Daphnia magna Duration: '21 d' Xylene (1330-20-7) EC50 - Crustacea [1] > 3.4 mgil Test organisms (species): Ceriodaphnia dubia LOEC (chronic) 3.16 mgil Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic lish > 1.3 mgil Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic lish > 1.3 mgil Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gai/dneri) Duration: '56 d' Toluene (108-88-3) EC50 - Crustacea [1] S.5 mgil Source: ECHA EC50 - Crustacea [1] 3.78 mgil Source: ECHA NOEC chronic rustacea = 0.74 mgil Source: ECHA Tale / Talc containing no asbestos fibers/ (14807-96-6) EC50 - Fish [1] LC50 - Fish [1] 89581.02 mgil Test organisms (species): other: LC60 - Fish [2] 110000 mgil Test organisms (species): other: LC60 - Fish [2] 1202.7 mgil Test organisms (species): other: LC50 - Fish [1] 202.2 mgil Test organisms (species): other: LC50 - Fish [1] > 100 mgil Test organisms (species): other: LC50 - Fish [1] > 100 mgil Test organisms (species): other: LC50 - Fish [1] > 100 mgil Test organisms (species): Corp. Taylas latipes EC50 2C1 - Algae [1] = 11.8 mgil Test organisms (s	NOEC chronic fish	≈ 2.6 mg/l	
Xylene (1330-20-7) EC50 - Crustacea [1] > 3.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic) 3.16 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' 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 Talc / Talc containing no asbestos fibers/ (14807-96-6) LC50 - Fish [1] 89581.02 mg/l Test organisms (species): other: LC50 - Fish [2] 110000 mg/l Test organisms (species): other: LC50 - Fish [2] 12002 mg/l Test organisms (species): other: NOEC (chronic) 1459798 mg/l Test organisms (species): Oryzias latipes EC50 - Crustacea [1] > 100 mg/l Test organisms (species): Scenedesmus capricornutum EC50 - Crustacea [1] > 100 mg/l Test organisms (species): Scenedesmus capricornutum EC50 - Crustacea [1] > 100 mg/l	Hydrocarbons, C11-C12, isoalkanes, <2% aro	matics	
EC50 - Crustacea [1] > 3.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic) 3.16 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '36 d' Toluene (108-88-3)	NOEC (chronic)	0.011 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
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' Toluene (108-88-3) LCS0 - Fish [1] 5.5 mg/l Source: ECHA EC50 - Crustacea [1] 3.78 mg/l Source: ECHA NOEC chronic crustacea Talc Cralc containing no asbestos fibers/ (14807-96-6) LC50 - Fish [1] 89581 02 mg/l Test organisms (species): other: LC50 - Fish [2] 110000 mg/l Test organisms (species): other: EC50 96h - Algae [1] 7202.7 mg/l Test organisms (species): other: LC50 - Fish [2] 110000 mg/l Test organisms (species): other: EC50 96h - Algae [1] 7202.7 mg/l Test organisms (species): other: LC50 - Fish [2] 100 mg/l Test organisms (species): other: EC50 96h - Algae [1] 7202.7 mg/l Test organisms (species): other: LC50 - Fish [1] 292.7 mg/l Test organisms (species): other: EC50 96h - Algae [1] 7202.7 mg/l Test organisms (species): other: LC50 - Fish [1] 201 mg/l Test organisms (species): other: 130 d' Methyl Ethyl Ketoxime (96-29-7) 201 mg/l Test organisms (species): Scenedesmus capricornutum EC50 - Chrustacea [1] 210 mg/l Test organisms (species): Scenedesmus capricornutum NOEC (chronic) 2 100 mg/l Test organis	Xylene (1330-20-7)		
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gairdneii) Duration: '56 d' 1	LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
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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' 12.2. Persistence and degradability Dura - ZCP Primer - Red Oxide Persistence and degradability No additional information available Methyl Ethyl Ketoxime (96-29-7) Not rapidly degradable 12.3. Bioaccumulative potential	EC50 - Crustacea [1]	≈ 201 mg/l Test organisms (species): Daphnia magna	
NOEC (chronic) ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d' 12.2. Persistence and degradability Dura - ZCP Primer - Red Oxide Persistence and degradability No additional information available Methyl Ethyl Ketoxime (96-29-7) Not rapidly degradable 12.3. Bioaccumulative potential	EC50 72h - Algae [1]	≈ 11.8 mg/l Test organisms (species): Scenedesmus capricornutum	
12.2. Persistence and degradability Dura - ZCP Primer - Red Oxide Persistence and degradability No additional information available Methyl Ethyl Ketoxime (96-29-7) Not rapidly degradable 12.3. Bioaccumulative potential	EC50 72h - Algae [2]	≈ 6.09 mg/l Test organisms (species): Scenedesmus capricornutum	
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Methyl Ethyl Ketoxime (96-29-7) Not rapidly degradable 12.3. Bioaccumulative potential	Dura - ZCP Primer - Red Oxide		
Not rapidly degradable 12.3. Bioaccumulative potential	Persistence and degradability	No additional information available	
12.3. Bioaccumulative potential	Methyl Ethyl Ketoxime (96-29-7)		
	Not rapidly degradable		
Dura - ZCP Primer - Red Oxide	12.3. Bioaccumulative potential		
	Dura - ZCP Primer - Red Oxide		
Bioaccumulative potential No additional information available	Bioaccumulative potential	No additional information available	

Safety Data Sheet

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

N-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	
12.4. Mobility in soil		
Dura - ZCP Primer - Red Oxide		
Mobility in soil	No additional information available	
12.5. Other adverse effects		
	: Not classified : No additional information available	

SECTION 13: Disposal Considerations	
13.1. Disposal methods	
Waste treatment methods Additional information	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Flammable vapours may accumulate in the container.

SECTION 14: Transport information

SANS	IMDG	ΙΑΤΑ
14.1. UN number	1	1
1263	1263	1263
14.2. UN Proper Shipping Name		
PAINT	PAINT	Paint
14.3. Transport hazard class(es)		
3	3	3
14.4. Packing group, if applicable		
III	Ш	III
14.5. Environmental hazards		·
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		
14.6. Special pressutions for year		
14.6. Special precautions for user		
SANS Special provisions (SANS)	: 163, 187, 223	

Safety Data Sheet

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

Packagings, large packagings and IBCs Special packing instructions (SANS)	: PP1
Portable tank and bulk containers instructions	: T2
(SANS)	2
Portable tank and bulk container special provisions	: TP1, TP29
(SANS)	
IMDG	
Special provisions (IMDG)	: 163, 223, 367, 955
Limited quantities (IMDG)	: 5L
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.
	. 54
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
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

: 29/05/2023

Full text of H-statements:	
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H301	Toxic if swallowed
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

Safety Data Sheet

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

Full text of H-statements:	
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
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
H411	Toxic 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.