

Dura Paints - Heavy Duty Epoxy Primer Part B - Catalyst

Safety Data Sheet

According to Regulations for Hazardous Chemical Agents, 2021 and United Nations GHS revision 10
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SECTION 1: Identification of the substance/mixture and of the supplier/undertaking

1.1. GHS product identifier

Product form	: Mixture
Trade name	: Dura Paints - Heavy Duty Epoxy Primer Part B - Catalyst
Type of product	: Coatings
Product code	: HDPECAT
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 : For use with Heavy Duty Epoxy Primer as specified.

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
Acute toxicity (oral), Category 2	H300
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:vapour) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity – single exposure, Category 1	H370
Specific target organ toxicity – Repeated exposure, Category 2	H373
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Highly flammable liquid and vapour, May cause cancer, May cause genetic defects, May cause damage to organs through prolonged or repeated exposure, Causes damage to organs, Fatal if swallowed, Harmful in contact with skin, Harmful if inhaled, Causes skin irritation, May cause an allergic skin reaction, Causes serious eye damage, Toxic to aquatic life with long lasting effects.

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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

: Xylene; 2,2'-iminodi(ethylamine); Solvent naphtha (petroleum), light arom.; Fatty acids, tall-oil, compds. with oleylamine; Talc; n-Butyl alcohol; Methyl Isobutyl Ketone; barium sulfate

Hazard statements (GHS ZA)

: H226 - Flammable liquid and vapour
H300 - Fatal if swallowed
H312+H332 - Harmful in contact with skin or if inhaled
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H340 - May cause genetic defects (Dermal, Inhalation)
H350 - May cause cancer (Inhalation)
H370 - Causes damage to organs (respiratory system, eyes, Skin, central nervous system, liver, kidneys) (Dermal, Inhalation, Oral)
H373 - May cause damage to organs (respiratory system, liver, kidneys, central nervous system) through prolonged or repeated exposure (Inhalation, Dermal)
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (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.
P240 - Ground and bond container and receiving equipment.
P261 - Avoid breathing fume, mist, spray, vapours.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P271 - Use only outdoors or in a well-ventilated area.
P501 - Dispose of container to according to local regulations, recycling.

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.; P240 - Ground and bond container and receiving equipment.; P261 - Avoid breathing fume, mist, spray, vapours.; P273 - Avoid release to the environment.; P280 - Wear eye protection, protective clothing, protective gloves.; P271 - Use only outdoors or in a well-ventilated area.; P501 - Dispose of container to according to local regulations, 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

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3.2. Mixture

Name	Product identifier	%	Classification according to the United Nations GHS
Xylene	CAS-No.: 1330-20-7	9 – 50	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. Not classified (Inhalation:vapour) Skin Irrit. 2, H315 STOT SE 1, H370 STOT RE Not classified Aquatic Chronic 2, H411
barium sulfate	CAS-No.: 7727-43-7	20 – 40	Acute Tox. Not classified (Oral) STOT RE 2, H373 Aquatic Chronic Not classified
Talc	CAS-No.: 14807-96-6	15 – 25	Acute Tox. Not classified (Oral) Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Aquatic Acute Not classified Aquatic Chronic Not classified
n-Butyl alcohol	CAS-No.: 71-36-3	1.997 – 7.988	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute Not classified Aquatic Chronic Not classified
Methyl Isobutyl Ketone	CAS-No.: 108-10-1	3 – 5	Flam. Liq. 2, H225 Acute Tox. Not classified (Dermal) Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 STOT RE 2, H373 Aquatic Acute Not classified Aquatic Chronic Not classified
2,2'-iminodi(ethylamine)	CAS-No.: 111-40-0	< 3.5	Flam. Liq. Not classified Acute Tox. 1 (Oral), H300 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic Not classified

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Name	Product identifier	%	Classification according to the United Nations GHS
Solvent naphtha (petroleum), light arom.	CAS-No.: 64742-95-6	0.15 – 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Fatty acids, tall-oil, compds. with oleylamine	CAS-No.: 85711-55-3	0.1 – 0.25	Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373 Aquatic Chronic Not classified

SECTION 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label and product safety data sheet at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing stops, give artificial respiration. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If product is injected into or under the skin, or any part of the body, it should be treated as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment with in the first few hours may significantly reduce the ultimate extent of injury.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth out with water. Keep the affected person calm and seated upright. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get immediate medical advice/attention.
Self protection of the first-aiders	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

4.2. Most important symptoms/effect, acute and delayed

Symptoms/effects	: Harmful if inhaled. May cause drowsiness or dizziness. Harmful in contact with skin. Causes serious eye irritation. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: Adverse symptoms may include nausea or vomiting, headache, respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. May cause redness, dryness, and discomfort.
Symptoms/effects after eye contact	: Adverse symptoms may include pain, irritation, watering and redness. Blurred vision.
Symptoms/effects after ingestion	: Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.
Symptoms/effects upon intravenous administration	: Pain, swelling, and erythema: Rapid onset at the injection site; Chemical necrotising cellulitis: Inflammatory destruction of soft tissue, often within 24 hours. Get medical attention immediately.
Chronic symptoms	: Neurological: Headaches, memory loss, fatigue; Dermal: Can lead to dermatitis, with symptoms like cracking, scaling, and inflammation; Renal/Hepatic: Liver and kidney stress.

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

See section 4.1. Description of first-aid measures. Treat symptomatically. Monitor respiratory and neurological status.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water spray or fog. Use water spray or fog for cooling exposed containers.
- 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 : Vapours may form explosive mixture with air. When vapors accumulate in enclosed or poorly ventilated areas, any ignition source (e.g. static discharge, open flame, hot surfaces) can trigger an explosion. This is especially critical in spray booths, storage tanks, and confined mixing areas.
- Reactivity in case of fire : Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

- Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so. Cool endangered containers with water spray or fog.
- Firefighting instructions : Fight fire from safe distance and protected location. Stay upwind of fire.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Personal protection (Emergency response) : Fire-resistant protective clothing, Use breathing equipment (SCBA), Use only explosion-proof equipment and PPE



- Other information : Dyke fire control water for later disposal. Do not allow run-off from fire-fighting to enter drains or water courses. Notify authorities if run-off does enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate non-essential personnel. Eliminate every possible source of ignition. Ventilate spillage area.
- Personal Precautions, Protective Equipment and Emergency Procedures : Avoid contact with skin and eyes, avoid breathing vapours. Use only non-sparking tools. Complete protective clothing.
- Prevention Measures for Secondary Accidents : Stop leaks if it can be done without personal risk. Remove ignition sources. Avoid sparks. Take precautionary measures against static discharge.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe mist, spray, vapours. Avoid contact with skin, eyes and clothing.

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 : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and materials for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Absorb spillage with vermiculite or sand; Scoop into labeled hazardous waste container. Use non-sparking tools. Clean spill area with detergent and water — avoid solvents.
Other information	: Dispose of contaminated materials according to Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid all contact with skin, eyes, or clothing. Avoid breathing mist, spray, vapours. Provide local exhaust or general room ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use explosion-proof equipment. Wear personal protective equipment.
Local and general ventilation	: Local exhaust ventilation.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse.
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 tightly sealed containers in a cool, dry, well-ventilated area. Store away from direct sunlight and sources of ignition.
Storage area	: Ensure electrical equipment and fittings comply with local fire prevention regulations for this class of product. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.
Incompatible products	: Oxidizing agent. Strong acids. Strong bases.
Packaging materials	: Always store product in container of same material as original container.
Material used in packaging/containers	: steel, hdpu or approved chemical drums.
Storage temperature	: < 30 °C

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 ³
	50 ppm
OEL STEL	435 mg/m ³
	100 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904

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Xylene (1330-20-7)	
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
2,2'-iminodi(ethylamine) (111-40-0)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Diethylenetriamine [DETA]
RHCA - STEL/C	2 ppm
Remark	SKIN (danger of cutaneous absorption)
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Diethylene triamine (2,2'-Diaminodiethylamine; 2,2'-Iminodi(ethylamine))
OEL TWA	4 mg/m ³ 1 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
Talc (14807-96-6)	
South Africa - Occupational Exposure Limits (Maximum Limits)	
Local name	Talc (containing asbestos fibres)
RHCA - OEL	0.6 fibers/mL (measured over a continuous 10-minute period)
RHCA - STEL/C	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 (Restricted Limits)	
Local name	Talc (containing no asbestos fibers)
RHCA - STEL/C	4 mg/m ³ (E: the value is for particulate matter containing no asbestos and ≤ 1% crystalline silica, R: respirable fraction) 10 mg/m ³ total inhalable dust 1 mg/m ³ 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/m ³ inhalable particulate 1 mg/m ³ respirable particulate
Regulatory reference	Government Notice No. R 904
n-Butyl alcohol (71-36-3)	
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	n-Butyl alcohol (Butan-1-ol)
OEL STEL	150 mg/m ³

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n-Butyl alcohol (71-36-3)	
	50 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
Methyl Isobutyl Ketone (108-10-1)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Methyl isobutyl ketone [MIBK, hexone]
OEL eight hour TWA	150 ppm
	300 mg/m ³
RHCA - STEL/C	40 ppm
	205 mg/m ³
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
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Methyl isobutyl ketone [MIBK] (Hexone; Isobutyl methyl ketone; 4-Methylpentan-2-one)
OEL TWA	82 mg/m ³
	20 ppm
OEL STEL	205 mg/m ³
	50 ppm
Remark	Sk (Danger of cutaneous absorption)
Regulatory reference	Government Notice No. R 904
South Africa - Biological limit values	
Local name	Methyl isobutyl ketone (MIBK)
BEI	1 mg/l Parameter: Methyl isobutyl ketone (MIBK) - Medium: urine - Sampling time: End of shift
Regulatory reference	Government Notice No. R. 280, 2021
barium sulfate (7727-43-7)	
South Africa - Occupational Exposure Limits (Restricted Limits)	
Local name	Barium sulphate
RHCA - STEL/C	10 mg/m ³ (I: inhalable fraction, E: the value is for particulate matter containing no asbestos and ≤ 1% crystalline silica)
Regulatory reference	Government Notice No. R. 280, 2021
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Barium sulphate
OEL TWA	2 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. Monitor vapour concentrations in confined areas.
Environmental exposure controls	: Avoid release to the environment.

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8.3. Individual protection measures, such as personal protective equipment

Materials for protective clothing	: Chemical resistant overalls
Hand protection	: Protective gloves
Eye protection	: Wear security glasses which protect from splashes
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, colorless liquid.
Colour	: Colourless
Odour	: Aromatic solvent like odour
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	: > 136.16 – < 144.5 °C @ 101.3 kPa; Derived from Xylene value; Source: ECHA
Flash point	: ≈ 27 °C Derived from Xylene value; Source: ECHA
Auto-ignition temperature	: > 487.5 – < 488 °C @ 101.3 kPa; Derived from Xylene value; Source: ECHA
Decomposition temperature	: No data available
Flammability	: Highly flammable liquid and vapour.
Vapour pressure	: ≈ 14.2 hPa Derived from Xylene value; Source: ECHA
Vapour pressure at 50°C	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: > 0.86 – < 0.88 @ 20 - 25 °C; Derived from Xylene value; Source: ECHA
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: Material insoluble in water. soluble in most organic solvents.
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 @ 40 degrees C; Derived from Xylene value; Source: Supplier SDS
Viscosity, dynamic	: > 0.581 – < 0.76 mPa·s Derived from Xylene value; Source: ECHA
Explosive properties	: Non-explosive.
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, colorless liquid.

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

No additional information available

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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. Direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

Likely routes of exposure : Dermal. Inhalation. oral.

11.1. Information on toxicological effects

Acute toxicity (oral) : Fatal if swallowed.
Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Inhalation:vapour: Harmful if inhaled.

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ATE ZA (oral)	14.224 mg/kg bodyweight
ATE ZA (Dermal)	1962.122 mg/kg bodyweight
ATE ZA (vapours)	17.464 mg/l/4h
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
2,2'-iminodi(ethylamine) (111-40-0)	
LD50 oral rat	≈ 1.62 mg/kg bodyweight 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)
LD50 dermal rabbit	≈ 2000 mg/kg bodyweight Source : ECHA
Fatty acids, tall-oil, compds. with oleylamine (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:

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Talc (14807-96-6)	
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)
n-Butyl alcohol (71-36-3)	
LD50 dermal rabbit	3430 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 17.76 mg/l Source: ECHA
Methyl Isobutyl Ketone (108-10-1)	
LD50 oral rat	≥ 2080 mg/kg Source: Supplier SDS
LD50 dermal rabbit	≥ 16000 mg/kg Source: Supplier SDS
LC50 Inhalation - Rat [ppm]	≥ 2000 ppm/4h Source: Supplier SDS
barium sulfate (7727-43-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Source: ECHA
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: May cause genetic defects (Dermal, Inhalation).
Carcinogenicity	: May cause cancer (Inhalation).
barium sulfate (7727-43-7)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:
NOAEL (chronic, oral, animal/female, 2 years)	75 mg/kg bodyweight Animal: rat, Animal sex: female, Remarks on results: other:
Reproductive toxicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs (respiratory system, eyes, Skin, central nervous system, liver, kidneys) (Dermal, Inhalation, Oral).
Xylene (1330-20-7)	
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).
Solvent naphtha (petroleum), light arom. (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
n-Butyl alcohol (71-36-3)	
NOAEC (inhalation, rat, vapour)	≥ 1500 mg/l Source: ECHA
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Methyl Isobutyl Ketone (108-10-1)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs (respiratory system, liver, kidneys, central nervous system) through prolonged or repeated exposure (Inhalation, Dermal).

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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)
2,2'-iminodi(ethylamine) (111-40-0)	
LOAEL (oral, rat, 90 days)	530 – 620 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, vapour, 28 days)	≈ 0.55 mg/l Source: ECHA
NOAEL (oral, rat, 90 days)	70 – 80 mg/kg bodyweight Animal: rat, Guideline: other:
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Solvent naphtha (petroleum), light arom. (64742-95-6)	
LOAEC (inhalation, rat, vapour, 90 days)	≈ 1.402 mg/l Source : ECHA
Fatty acids, tall-oil, compds. with oleylamine (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.
Talc (14807-96-6)	
NOAEL (oral, rat, 28 days)	> 100 mg/kg bodyweight/day Source: ECHA
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.
n-Butyl alcohol (71-36-3)	
NOAEL (oral, rat, 28 days)	> 125 mg/kg bodyweight/day Source: ECHA
NOAEC (inhalation, rat, 28 days)	≥ 1500 mg/l Source: ECHA
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Methyl Isobutyl Ketone (108-10-1)	
NOAEL (oral, rat, 28 days)	≈ 250 mg/kg bodyweight/day
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
barium sulfate (7727-43-7)	
NOAEL (oral, rat, 28 days)	> 61.1 – < 80.9 mg/kg bodyweight/day Source: ECHA
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Dura Paints - Heavy Duty Epoxy Primer Part B - Catalyst	
Viscosity, kinematic	< 1 mm ² /s @ 40 degrees C; Derived from Xylene value; Source: Supplier SDS

SECTION 12: Ecological information

12.1. Toxicity

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

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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
2,2'-iminodi(ethylamine) (111-40-0)	
LC50 - Fish [1]	0.43 g/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	64.6 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	16 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1164 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	187 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	11.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	5.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 10 mg/l Test organisms (species): Gasterosteus aculeatus Duration: '28 d'
Solvent naphtha (petroleum), light arom. (64742-95-6)	
LC50 - Fish [1]	> 8.2 – < 10 mg/l Species: Oncorhynchus mykiss; Source : ECHA
ErC50 algae	≈ 3.1 mg/l Source : Echa
NOEC chronic fish	≈ 10 mg/l Source : ECHA
Fatty acids, tall-oil, compds. with oleylamine (85711-55-3)	
LC50 - Fish [1]	≥ 100 mg/l Source : ECHA
LOEC (chronic)	4.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Talc (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:
NOEC (chronic)	1459798 mg/l Test organisms (species): other: Duration: '30 d'
NOEC chronic fish	> 1.413 – < 5.98 g/l 30 days; Source: ECHA
NOEC chronic algae	≈ 91.81 mg/l Marine water algae; Source: ECHA
n-Butyl alcohol (71-36-3)	
LC50 - Fish [1]	1376 mg/l Source: ECHA
EC50 - Crustacea [1]	≈ 1.328 g/l Source: ECHA
EC50 96h - Algae [1]	225 mg/l Source: ECHA
NOEC chronic crustacea	≈ 4.1 mg/l Duration: 21 days; Source: ECHA
NOEC chronic algae	≈ 129 mg/l Fresh water algae; Duration: 21 days; Source: ECHA
Methyl Isobutyl Ketone (108-10-1)	
LC50 - Fish [1]	≥ 505 mg/l Species: Fathead minnow; Source: Supplier SDS

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Methyl Isobutyl Ketone (108-10-1)	
LOEC (acute)	≈ 179 mg/l Source: ECHA
LOEC (chronic)	> 64 – < 156 mg/l 21 Days; Source: ECHA
NOEC (chronic)	≈ 200 mg/l 48 Hrs, Source: ECHA
NOEC chronic fish	≈ 179 mg/l Source: ECHA

barium sulfate (7727-43-7)	
LC50 - Fish [1]	> 3.5 – < 174 mg/l Source: ECHA
EC50 - Crustacea [1]	≥ 58.8 mg/l Source: ECHA
EC50 72h - Algae [1]	> 1.15 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	> 30.07 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≈ 58.8 mg/l Source: ECHA
NOEC chronic fish	> 1.26 – < 100 mg/l Source: ECHA
NOEC chronic algae	> 1.15 – < 100 mg/l Source: ECHA

12.2. Persistence and degradability

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Persistence and degradability	Rapidly degradable

Xylene (1330-20-7)	
Persistence and degradability	
Chemical oxygen demand (COD)	> 2.56 – < 2.91 g O ₂ /g substance

2,2'-iminodi(ethylamine) (111-40-0)	
Persistence and degradability	

Solvent naphtha (petroleum), light arom. (64742-95-6)	
Persistence and degradability	

Fatty acids, tall-oil, compds. with oleylamine (85711-55-3)	
Persistence and degradability	

Talc (14807-96-6)	
Persistence and degradability	

n-Butyl alcohol (71-36-3)	
Persistence and degradability	

Methyl Isobutyl Ketone (108-10-1)	
Persistence and degradability	
Biochemical oxygen demand (BOD)	≈ 2.03 g O ₂ /g substance Source: Supplier SDS
Chemical oxygen demand (COD)	≈ 2016 g O ₂ /g substance Source: Supplier SDS

barium sulfate (7727-43-7)	
Persistence and degradability	

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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available
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Xylene (1330-20-7)

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

2,2'-iminodi(ethylamine) (111-40-0)

Partition coefficient n-octanol/water (Log Pow)	≈ -1.58 @ 20 °C & pH 7 - 12; Source: ECHA
Partition coefficient n-octanol/water (Log Kow)	≈ -1.3 Source: ICSCs

Fatty acids, tall-oil, compds. with oleylamine (85711-55-3)

Partition coefficient n-octanol/water (Log Kow)	> 1 – < 6.2 @ 25 °C and pH 4 - 9; Source : ECHA
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Talc (14807-96-6)

Partition coefficient n-octanol/water (Log Kow)	≈ -9.4 @ 25 °C and pH 7; Source: ECHA
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n-Butyl alcohol (71-36-3)

Partition coefficient n-octanol/water (Log Kow)	1 Source: ECHA
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Methyl Isobutyl Ketone (108-10-1)

Partition coefficient n-octanol/water (Log Pow)	≈ 1.2 Source: Supplier SDS
Partition coefficient n-octanol/water (Log Kow)	≈ 1.3 20 °C and pH 6.7 ;Source: ECHA

12.4. Mobility in soil

Dura Paints - Heavy Duty Epoxy Primer Part B - Catalyst

Mobility in soil	No additional information available
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Xylene (1330-20-7)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 537 XYLENE: @ 20 °C : ECHA
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Fatty acids, tall-oil, compds. with oleylamine (85711-55-3)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 4.6 20°C; Source : ECHA
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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	: HCA Regulations under OHSA (2021). South Africa's Waste Act (Act 59 of 2008).
Waste treatment methods	: Incineration at licensed facilities must occur in a hazardous waste incinerator with air pollution control systems. Solvent recovery units can reclaim the product from mixtures or contaminated waste, Suitable for paint and coating industries where the product is used in large volumes.
Sewage disposal recommendations	: Do not dispose of waste into sewer or stormwater systems.
Product/Packaging disposal recommendations	: Refer to manufacturer/supplier for information on recovery/recycling.
Ecological waste information	: Avoid release to the environment.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.

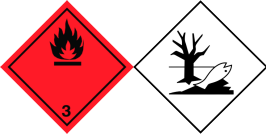
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SECTION 14: Transport information

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	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint
Transport document description			
Not applicable	UN 1263 PAINT RELATED MATERIAL, 3, II	UN 1263 PAINT RELATED MATERIAL, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1263 Paint, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
3	3	3	3
	 Not applicable		
14.4. Packing group, if applicable			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment : Yes	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 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)	: 163, 367
Limited quantities (UN RTDG)	: 5L
Excepted quantities (UN RTDG)	: E2
Packing instruction (UN RTDG)	: P001, IBC02
Special packing provisions (UN RTDG)	: PP1
Portable tank and bulk container special instructions (UN RTDG)	: T4
Portable tank and bulk container special provisions (UN RTDG)	: TP1, TP8, TP28

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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
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	: 22/11/2023
Revision date	: 14/04/2026
Supersedes	: 14/04/2026

Full text of H-statements:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H300	Fatal if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways

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Full text of H-statements:	
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
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
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
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.