

SAFETY DATA SHEET

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Date Issued 15/Oct/2024
Ultradome® 70D135

CAS No
15/Oct/2024

1.Product and Company Identification:

<u>Trade / Commercial Name</u>	Ultradome® 70D135
<u>Chemical Name</u>	Polyether polyol blend with additives
<u>Formula</u>	
<u>Chemical Family</u>	Polyurethane polyol component
<u>Synonyms</u>	Ultradome® polyol component - Use: Clear elastomer component for doming applications
<u>Un No</u>	
<u>ERG No.</u>	0
	<u>Hazchem Code</u>
	<u>EAC</u>

2.Hazards Identification:

GHS Classification according to SANS 10234:2019:

Acute toxicity (Oral) Category 5 (H303)

Acute toxicity (Skin) Category 5 (H313)

Label elements: None

Signal word: Warning

Hazard statements:

H303: May be harmful if swallowed

H313: May be harmful in contact with skin.

Precautionary statements (Response):

P312: Call a doctor if you feel unwell

Contains Organic Mercury compounds, $\geq 0.05\%$ < 0.5 % Mercury

3.Composition:

<u>Hazardous Components</u>	Type of product: Mixture
	Mixture of below with non-hazardous additions:
	Organic Mercury Compounds, $\geq 0.05\%$ < 0.5 % Mercury

4.First Aid Measures

<u>First Aid Skin</u>	Remove contaminated clothing immediately. Wash with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.
<u>First Aid Eyes</u>	Flush eyes with water. Hold eyelids open while washing. Seek medical advice.
<u>First Aid Ingested</u>	Rinse mouth and drink plenty of water. Do not induce vomiting. Seek medical advice. Do not give anything by mouth to an unconscious person.
<u>First Aid Inhalation</u>	Remove person to fresh air. If required, provide artificial respiration. Keep patient warm. Seek medical advice if symptoms persist.

5.Fire Fighting Measures

Suitable extinguishing media: Water spray jet, extinguishing powder, carbon dioxide, foam is recommended.

In case of fire, toxic incineration products such as carbon oxides and mercury compounds may be released.

Protection of fire fighters: Wear positive-pressured self-contained breathing apparatus and protective firefighting clothing.

Move container from fire area if you can do so without risk.

Dike fire control water for later disposal; do not scatter the material.

Keep unnecessary personnel away; isolate hazard area and deny entry.

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Stay upwind; keep out of low areas and ventilate closed spaces before entering.

6.Accidental Release Measures

Evacuate unnecessary personnel.

Wear suitable protective clothing

Breathing apparatus for fire only.

Contain (avoid spillage from entering drains or water courses).

Restrict access to area.

Remove sources of heat and flame.

SPILL OR LEAK:

Do not touch spilled material.

Stop leak if you can do so without risk.

Cover and soak up with a suitable absorbent material and place into containers for later disposal.

7.Handling And Storage

Handling:

Ensure good exhaust ventilation at the workplace.

Wash hands thoroughly after handling.

Keep away from foodstuffs.

Storage:

Store in a cool, dry area.

Keep containers tightly closed, product is hygroscopic.

Store away from acids, oxidising agents

8.Exposure Controls/Personal Protection

Occupational Exposure Limits

Mercury and compounds:

TWA OEL-RL: 0,025 mg/m³

Controls

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of substance release.

Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside.

Supply sufficient replacement air to make up for air removed.

Have a safety shower/eye wash fountain readily available in the immediate work area.

Personal Protection

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles, boots and impervious gloves.

RESPIRATORY PROTECTION: Respirator with with organic vapour cartridge, type AP2.

HAND PROTECTION: Nitrile rubber, NBR

EYE PROTECTION: Safety Goggles if processing.

SKIN PROTECTION: Protective overalls

Avoid contact with eyes and skin

Wash hands before breaks and at the end of shifts.

Check the condition of gloves after each use for damage like cuts and tears.

Have appropriate equipment available for use in emergencies.

9.Physical & Chemical Properties

Low viscosity liquid, water white to slightly yellow

Relative Density: 1,02 (± 0,02) at 25 °C

Viscosity: ± 450 cps at 25°C

Flash Point: ± 195°C (Open cup) (Not tested - Value for polyether polyol)

Soluble in water

pH: No data available

Boiling point (760 mm Hg): 288 - 310°C (Not tested - Value for polyether polol)

Flammability: Not applicable

Flammable limits in air: No data available

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Explosive properties: Not applicable
Oxidising properties: No data available
Vapour pressure: Negligible at ambient temperature
Solubility: Soluble in water
Partition coefficient, -n octanol/water: No data available
Vapour density (Air = 1); > 1 (Not tested - Value for polyether polyol)
Evaporation rate; Not applicable

10.Stability And Reactivity

Conditions to Avoid

Stable under normal conditions.

Product can oxidise at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible Materials

Avoid contact with oxidising materials, strong acids, strong bases.

Avoid unintended contact with isocyanates. The reaction of polyols and isocyanates generates heat.

Other

Product is hygroscopic, may absorb moisture. Keep containers tightly closed.

Hazardous polymerisation will not occur.

Decomposition products depend on temperature, air supply and the presence of other materials.

Decomposition products can include but are not limited to: Carbon dioxide, alcohols, ethers, hydrocarbons, ketones, organic compounds containing mercury.

11.Toxicological Information

EFFECTS OF ACUTE EXPOSURE:

Toxicity data for Mercury compound:

Oral (rat) LD50: 50 - 300 mg/kg

Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

Eyes: May cause slight eye irritation.

Inhalation: Non-hazardous at room temperature.

Skin: Non irritating to skin

A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

EFFECTS OF CHRONIC EXPOSURE:

No information available on carcinogenicity, mutagenicity or reproductive toxicity.

Sensitisation: No sensitising effects known.

12.Ecological Information

No information available on aquatic toxicity of the preparation.

Do not allow to enter drains or surface waters.

The polyether polyol is expected to be readily biodegradable.

13.Disposal Considerations

Disposal Method Product

Observe prevailing regulations and incinerate.

Disposal Method Packaging

Disposal in accordance with local legal provisions.

Empty containers can only be disposed of when the remaining waste products adhering to the container walls have been removed. Remove all labels.

Packaging that cannot be cleaned is to be disposed of in the same manner as the product.

14.Transport Information

ERG No.

0

EAC

IMDG-Shipping Name

NOT CONTROLLED SUBSTANCE

IMDG Code

N/A

IMDG-Packaging Group

N/A

Marine Pollutant

No

Class

Not controlled

Subsidiary Risks

None

15.Regulatory Information

EEC Hazard Classification

Risk Phrases

Harmful by inhalation, in contact with skin and if swallowed

Danger of cumulative effects

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Safety Phrases

Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment
Keep away from food, drink and animal feed
After contact with skin, wash immediately with plenty of water and soap
Wear suitable protective clothing
In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible
This material and its container must be disposed of as hazardous waste
Avoid release into the environment; refer to special instructions/material safety data sheet

National Legislation

Republic of South Africa:
National Road Traffic Act 1996 (Act 93 of 1996)
Occupational Health and Safety Act 1993 (Act 85 of 1993)
Hazardous Substances Act 1973 (Act 15 of 1973)
SANS 10234:2019
European Community:
Directive 1907/2006/EC

16. Other Information

Reason for alteration: GHS Classification according to SANS 10234:2019

Sources: Suppliers Material Safety Data Sheets for hazardous components

SANS 10234: 2019

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properness of the product.

Date issued: 19/01/2004

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Revision No.: 4

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