


Material Safety Data Sheet

Section 1 IDENTIFICATION

Date: 15-Mar-2022

GHS Product identifier:	Diethyltoluenediamine.
Trade name:	Diethyl methyl benzene diamine; E100;DETDA
Recommended use of the chemical and restrictions on use:	It's chain extender of PU elastomer, especially for RIM and SPUA. and used as curing agent of polyurethane and epoxy resin; also used as antioxidant in epoxy resin; industrial oil, lubricant.
Supplier's Name:	Qingdao YLSCH Industry&Trade Co., Ltd.
Add:	Room 501,2-3 Unit No.8,zhengzhou road,Qingdao,China
Postal Code	266000
Tel:	0532-82678303
Email:	sales@ylsch-rbb.com
Emergency phone number:	86 18661665800

Section 2 HAZARDS IDENTIFICATION

<p>Classification of the substance or mixture: Acute Toxicity (Oral) Category 4 Acute Toxicity (Dermal) Category 4 Eye Damage/ irritation Category 2A Specific target organ toxicity (repeated exposure) Category 2 Hazardous to the aquatic environment, acute hazard Category 1 Hazardous to the aquatic environment, long term hazard Category 1</p> <p>GHS Label elements, including precautionary statements:</p> <div style="text-align: center;">  </div> <p>Signal word: Warning</p> <p>Hazard statement(s): Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statement(s): Prevention: Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/ vapors / spray. Avoid release to the environment. Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see safety date sheet). Take off contaminated clothing. And wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Collect spillage.</p> <p>Storage: /</p> <p>Disposal: Dispose of contents/container to in accordance with national regulations.</p> <p>Other hazards which do not result in classification: /</p>

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Diethyltoluenediamine	68479-98-1	98.65%

Section 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If Ingestion: Rinse mouth with water. Do not induce vomit. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms/effects, acute and delayed: /.

Indication of immediate medical attention and special treatment needed, if necessary: /

Section 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, carbon dioxide, alcohol stable foam to extinguishing.

Special hazards arising from the chemical: Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive.

Special protective actions for fire-fighters: Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapours and contacting with skin and eyes. Control personal contact with the substance, by using protective equipment.

Environmental precautions: Clean up all spills immediately. Stop leak if safe to do so.

Methods and materials for containment and cleaning up: Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains.

Section 7 HANDLING AND STORAGE

Precautions for safe handling: DO NOT allow clothing wet with material to stay in contact with skin. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling.

Conditions for safe storage, including any incompatibilities: Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this MSDS.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Local exhaust ventilation or a process enclosure ventilation system may be required.

Individual protection measures

Eye/face protection: Chemical goggles. Full face shield may be required for supplementary but never for primary protection of eyes. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection: Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber.

Respiratory protection: Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

Thermal hazards: /

**Section 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance (physical state, colour etc)	Light yellow liquid.
Odour	/
Odour Threshold	/
pH	/
Melting point/freezing point	-9°C
Initial boiling point and boiling range	308°C
Flash point	>140 °C
Evaporation rate	/
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	/
Vapour pressure	0.014 @ 119 °C
Vapour density	>3
Relative density	1.02 @ 20 °C
Solubility(ies)	Partially miscible
Partition coefficient: n-octanol/water	/
Auto-ignition temperature	/
Decomposition temperature	/
Viscosity	/

Section 10 STABILITY AND REACTIVITY

Reactivity: /
Chemical stability: This material is stable in normal temperature.
Possibility of hazardous reactions: Heating may cause expansion or decomposition leading to violent rupture of containers. May emit corrosive fumes
Conditions to avoid: High temperature, spark, static electricity oxidising agents.
Incompatible materials: Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.
Hazardous decomposition products: carbon dioxide (CO ₂), nitrogen oxides (NO _x), other pyrolysis products typical of burning organic material.

Section 11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhaled, swallowed, skin, eyes.
Symptoms related to the physical, chemical and toxicological characteristics: /
Acute health effects: Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. Accidental ingestion of the material may be harmful. Skin contact with the material may be harmful; systemic effects may result following absorption. The material may cause severe eye irritation in a substantial number of individuals
Chronic health effects: danger of serious damage to health by prolonged exposure if swallowed.
Numerical measures of toxicity(such as acute toxicity estimates):
Dermal (rabbit) LD50: >700 mg/kg
Oral (rat) LD50: 470-540 mg/kg

Section 12 ECOLOGICAL INFORMATION

Toxicity: Very toxic to aquatic life with long lasting effects.
Persistence and degradability: /.
Bioaccumulative potential: /.
Mobility in soil: /.
Other adverse effects: /

Section 13 DISPOSAL CONSIDERATIONS

Disposal methods: Recycle wherever possible. Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
--

Treat and neutralise at an approved treatment plant..

Section 14 TRANSPORT INFORMATION

UN number:3082.
UN proper shipping name:. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Transport hazard class(es) : 9
Packing group, if applicable: III.
Environmental hazards: Marine pollutant.
Special precautions for user: /

Section 15 REGULATORY INFORMATION

Regulations: This safety data sheet is in compliance with the following national standards: GB 16483-2008, GB 13690-2009, GB/T 15098-2008, GB 18218-2009, GB 15258-2009, GB 6944-2012, GB 190-2009, GB 191-2009, GB 12268-2008, GA 57-1993, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation [Published by the Ministry of Railways, 2008], Dangerous Chemicals Safety Administrative Regulation [Published by the State Council, 2011].

Section 16 OTHER INFORMATION

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	15-Mar-2022

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.