

PARABEN DIAZOLIDINYL UREA

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: Paraben-DU
INCI Names: CAS Numbers / EINECS Numbers:
 Propylene glycol: 57-55-6 / 200-338-0
 Diazolidinyl urea: 78491-02-8 / 278-928-2
 Methylparaben: 99-76-3 / 202-785-7
 Propylparaben: 94-13-3 / 202-307-7

2. PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 187.2oC
Melting Point: not determined
Density: 1.18 g/cm₃ at 20oC
Vapor Pressure: 0.22 mmHg at 20oC
Vapor Density, Air=1: 2.62
Specific Gravity: 1.18
pH-Value: 6-8 (at 10 g/l at 20oC)
Solubility in Water: water soluble (15 g/l at 20oC)
Appearance & Odor: clear yellowish liquid, weak odor

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
Incompatibility: not known
Hazardous Decomposition: not anticipated
Hazardous Polymerisation: will not occur

4. HANDLING & STORAGE

Store in closed containers at a cool place protected from humidity. Keep away from oxidizing agents, excessive heat, and frost. Store and use in well ventilated areas. Do not store or use near heat, spark, or flamer; also store out of sun. Do not puncture, drag, or slide this container. Drum is not pressure vessel; never use pressure to empty.

5. ACCIDENTAL RELEASE MEASURES

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Wear appropriate personal protective equipment during cleanup. Small spills: dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Usually not required. If vapors or mists are generated, wear a NOISH approved vapor/mist respirator.
Protective Clothing: Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

Eye Contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

Inhalation: Not a hazard under normal use conditions.
Skin Contact: May cause mild irritation.
Ingestion: Not a hazard under normal use conditions.

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Skin: Wash exposed areas of the body with soap and water.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion: Do not induce vomiting. Drink slowly 1-2 glasses of water. If unusual symptoms are observed, seek medical advice.

9. FIRE FIGHTING MEASURES

Flash Point: 93.3oC by Tag CC met
NFPA Rating: Health 1, Flammability 1, Reactivity 0
Extinguishing Media: Dry chemical, foam, carbon dioxide, water spray (fog). Water stream may splash burning liquid and spread fire.
Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand.

10. TOXICOLOGICAL INFORMATION

LD50 oral / rats: > 2000mg/kg (OECD 401)
Sensitization: non-sensitizing (0.5% solution) (Human RIFT)
Mutagenicity: non-mutagenic (Ames assay)
Skin irritation: non-irritating in epicutan tests after 24 & 48h

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

DOT Shipping Name / Hazard Class: Not Restricted
ADR/RIC Code / Hazard Class: Not Restricted
Sea Transport IMDG Code / Hazard Class: Not Restricted
Air Transport IATA Code / Hazard Class: Not Restricted

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.