

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Name: ENDURABOND 450 NS Part A

Synonyms:

Uses: Epoxy Resin

Suppliers Name: Polymer Group Ltd
62 Stonedon Drive, East Tamaki
Manukau City, New Zealand
0064 9 274-1400

Emergency Number: Ph: 0800 999 001 Mon-Friday 8.00 am – 5.30 pm
Ph: 09 916 3026 24 hrs

2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature: Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Classification: 6.3A, 6.4A, 6.5A, 6.5B, 9.1B

HSNO Approval Number: HSR002670

Hazard and Precautionary Statements:

Hazard:

Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects

Prevention:

Read Safety Data Sheet before use
Wash hands thoroughly after handling
Wear protective gloves
Wear eye/face protection
Avoid breathing dust, fume, gas, mist, vapours, spray
Contaminated work clothing should not be allowed out of the workplace
Avoid release to the environment

Response:

Specific treatment (see first aid instruction on this label).
Collect spillage.

If inhaled – If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms, call a Poison Centre or doctor/physician.

If on Skin – wash with plenty of soap and water.

If skin irritation occurs, get medical advice/attention.

Take off contaminated clothing and wash before re-use.

Use a cleansing agent on skin.

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.

In Case of Fire:

Use water mist, foam, carbon dioxide or dry powder.

Storage:

Store in a cool dry place.

Disposal:

Recycle wherever possible.

Bury residue in an authorised landfill.

Recycle containers if possible. If not possible, dispose of in an authorised landfill.

Containers may still present a chemical hazard/danger when empty.

If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.

Contact appropriate Waste Management Company for guidance and disposal options in your area.

Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:	Cas No:	%
Diglycidyl Ether of Bisphenol A	25068-38-6	> 60

4. FIRST AID MEASURES

EMERGENCY & FIRST AID PROCEDURES

Eye Contact: Flush with copious quantities of water for 15 minutes. Seek medical attention.

Skin Contact: Remove with soap and water. If rash develops seek medical attention. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing is laboured, seek medical attention.

Ingestion: Seek medical attention immediately. Do not induce vomiting.

Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use water mist, foam, carbon dioxide or dry powder.

Special Fire Fighting Procedures: Evacuate area of unprotected personnel. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Wear positive pressure, self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Steps to be taken in case material is released or spilled: Soak up in absorbent material such as sand and collect in suitable container. Residual product may be removed using steam or hot soapy water.

Waste Disposal Method: Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS AND STORAGE DATA

Special Sensitivity (Heat, Light, Moisture): Not known.

STORAGE AND TRANSPORT

Storage Temperature (Min/Max): Store in a cool dry place.

Average Shelf Life: 12 months

8. EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE STANDARDS

Threshold Limit Value – Time Weighted Average (TLV-TWA): Not determined

Threshold Limit Value – Short Term Exposure Limit (TLV-STEL): Not determined

Threshold Limit Value – Ceiling (TLV-C): Not determined

ENGINEERING CONTROLS

Ventilation: Local exhaust recommended in confined space.

PERSONAL PROTECTION

Skin and eye protection: Wear protective gloves and safety goggles.

Respiratory Protection: Recommend respirator with suitable cartridge or self contained breathing apparatus.

FLAMMABILITY

Flammability Limits: Will burn when sufficient heat and air are applied. Flammability limits not determined.

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance & Odour: Opaque paste, low odour
Boiling Point: Not determined
Vapour Pressure: Not determined
Specific Gravity: 1.15
Flash Point: 252°C
% Volatile by Volume: Nil
Flammability Limits: Not determined
Solubility in Water: Not soluble

10. STABILITY AND REACTIVITY

REACTIVITY DATA

Stability: Stable under normal storage conditions.

Polymerisation: Is not likely to occur under normal conditions.

Incompatibility (Materials to avoid): Avoid contact with strong oxidising agents.

Hazardous decomposition products: Carbon monoxide, nitrogen dioxides and unidentified organic compounds. Consider all smoke and fumes from burning material as very hazardous. Welding, cutting or abrasive grinding can create smoke and fumes. Do not breathe any fumes or smoke from these operations.

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE:

Skin and Eyes: Can cause skin irritation. May cause skin sensitisation. Can cause eye irritation.

Ingestion: Effects unknown.

Inhaled: Unlikely unless heated.

CHRONIC

Human Effects of Over Exposure: Except for skin sensitisation, repeated exposures to low molex weight diglycidylethers of Bisphenol A are not anticipated to cause any significant adverse effects.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL STATEMENT

Recycle wherever possible.

Bury residue in an authorised landfill.

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14. TRANSPORTATION INFORMATION

U.N. No: 3082

Haz Chem Code: 3Z

Dangerous Goods Class: 9

Proper Shipping Name: Environmentally hazardous substance, liquid, NOS

Packaging Group: III

Toxic Substances Schedule: Not applicable

15. REGULATORY INFORMATION

HSNO Approval number: HSR002670

HSNO Classification: 6.3A, 6.4A, 6.5A, 6.5B, 9.1B

16. OTHER INFORMATION

This document was reviewed and revised on 12 December 2023.

Contact: POLYMER GROUP LTD – PHONE 09 274 1400

IMPORTANT NOTE: Data quoted is typical for the product but does not constitute a specification and is based on the most accurate information available to PGL at the time of writing. All information contained herein is given in good faith but is subject to change without notice.