POLYMER GROUP LTD
SOLUTIONS FOR EXTREME ENVIRONMENTS

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Name: **ENDURABOND 300ECO 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: **8.3A**

HSNO Approval Number: **HSR002670**

Hazard and Precautionary Statements:

Hazard:
Causes serious eye damage

Prevention:
Keep out of reach of children
Read Safety Data Sheet before use
Wear eye/face protection

Response:
If medical advice is needed, have product container or label at hand.

If in eyes – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a Poison Centre or doctor/physician.

In Case of Fire:
Use alcohol-resistant foam, carbon dioxide, dry chemical, dry sand, limestone powder.

Storage:
Keep containers tightly closed in a dry, cool and well-ventilated 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:**	**%**
Decanedioic acid, compounds, w/ 1,3-benzenedimethanimine-bis a-deta Glyc ph et rx prod-epic-form-propylene-Oxide-teta pol	260549-92-6	40-70

4. FIRST AID MEASURES

EMERGENCY & FIRST AID PROCEDURES

Eye Contact: Immediate medical attention is required. Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses. Care should be taken not to rinse contaminated water into the unaffected eye. Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.

Skin Contact: Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

Inhalation: If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

Ingestion: Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol-resistant foam, carbon dioxide, dry chemical, dry sand, limestone powder.

Special Fire Fighting Procedures: Use personal protective equipment. Wear self-contained breathing apparatus for fire fighting if necessary.

Unusual Fire and Explosion Hazards: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Steps to be taken in case material is released or spilled: Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. Construct a dike to prevent spreading.

Collect run-off water and transfer to drums or tanks for later disposal. Full face shield with goggles underneath. Approach suspected leak areas with caution.

Waste Disposal Method: Place in appropriate chemical waste container.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS AND STORAGE DATA

Special Sensitivity (Heat, Light, Moisture): Product may partially freeze with extended exposure to cold temperatures, resulting in crystallisation, haziness or separation. If this occurs, product should be warmed to 38-60°C for one hour and stirred until clear. Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

STORAGE AND TRANSPORT

Storage Temperature (Min/Max):

Average Shelf Life:

8. EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE STANDARDS

Threshold Limit Value – Time Weighted Average (TLV-TWA): Not established
Threshold Limit Value – Short Term Exposure Limit (TLV-STEL): Not established
Threshold Limit Value – Ceiling (TLV-C): Not established

ENGINEERING CONTROLS

Ventilation: Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

PERSONAL PROTECTION

Skin and eye protection: Long sleeve shirts and trousers without cuffs. Wear impermeable gloves with cuffs to prevent spread of material to area above the wrists. The breakthrough time of the selected gloves must be greater than the intended use period.

Where there is the potential for chemical splash, splash-proof goggles and a face shield must be worn. Other individuals working in the vicinity of this material where exposure can occur should also be fitted with a chemical splash goggles. Workers should not contact their eyes or skin with hands contaminated with this product.
Respiratory Protection: Keep self-contained breathing apparatus readily available for emergency use. In atmospheres where the material is sprayed, workers should avoid contact with aerosols containing curing agent through proper engineering controls such as exhaust ventilation and/or proper protective equipment such as full-face air-supplied respirators, gloves and full body protective clothing. Wear appropriate respirator when ventilation is inadequate.

FLAMMABILITY

Flammability Limits:

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance & Odour:	Yellow viscous, with ammoniacal odour
Boiling Point:	> 100°C
Vapour Pressure:	Not available
Specific Gravity:	Not available
Flash Point:	> 100°C
% Volatile by Volume:	Not available
Flammability Limits:	Not available
Solubility in Water:	Not available

10. STABILITY AND REACTIVITY

REACTIVITY DATA

Stability: Stable under normal conditions.

Polymerisation: Will not occur.

Incompatibility (Materials to avoid): Organic acids (ie acetic acid, citric acid etc), mineral acids, sodium hypochlorite, incompatible with bases, reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion, oxidizing agents.

Hazardous decomposition products: Nitric acid, ammonia, nitrogen oxides, nitrogen oxide can react with water vapours to form corrosive nitric acid, carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE:

Skin and Eyes: Severe eye irritation. Corrosive to eyes. Mild skin irritation.

Ingestion:

Inhaled: Inhalation of aerosols of a chemically similar material resulted in the deaths of rats during administration and in transient central nervous system symptoms including lethargy, ataxia, tremors and convulsions.

CHRONIC

Human Effects of Over Exposure:

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: Not dangerous goods Haz Chem Code: Not applicable

Dangerous Goods Class: Not applicable

Proper Shipping Name: Not applicable

Packaging Group: Not applicable

Toxic Substances Schedule: Not applicable

15. REGULATORY INFORMATION

HSNO Approval number: **HSR002670**

HSNO Classification: **8.3A**

16. OTHER INFORMATION

This document was reviewed and revised on 1st November 2022.

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.