

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Name: ENDURABOND CR HARDENER

Synonyms:

Uses: As a component for industrial floor coatings and toppings

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 9163026 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: 6.1E, 6.5B, 8.2C, 8.3A, 9.1C, 9.3C

HSNO Approval Number: HSR002658

Hazard and Precautionary Statements:

Hazard:

May be harmful if swallowed
May be harmful if inhaled
May be harmful if swallowed and enters airways
May cause an allergic skin reaction
Causes severe skin burns and serious eye damage
Harmful to aquatic life with long lasting effects
Harmful to terrestrial vertebrates

Prevention:

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

Response:

If medical advice is needed, have product container or label at hand.
Call a Poison Centre or doctor/physician if you feel unwell.
Do NOT induce vomiting.

If inhaled – Call a Poison Centre or doctor/physician if you feel unwell.
Do NOT induce vomiting.

Remove to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a Poison Centre or doctor/physician.

If on Skin – Wash with plenty of soap and water.
Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs, get medical advice/attention.
Use cleansing agent on skin.
Wash contaminated clothing before reuse.
Specific treatment for cleansing agent on this label.

If swallowed – Rinse mouth. Do NOT induce vomiting.

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 water mist, foam, CO₂, dry powder.

Storage:

Store locked up.

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: | % |
|---|----------------|----------|
| Benzyl alcohol | 100-51-6 | 20-30 |
| Formaldehyde polymer with phenol & TETA | 32610-77-8 | 20-30 |
| Manich base | Not known | 10-20 |
| Methylene biscyclohexanamine,4,4- | 1761-71-3 | 10-20 |
| Phenol | 108-95-2 | < 5 |
| Triethylenetetramine | 112-24-3 | < 5 |
| n-xylene diamine | 1477-55-0 | < 5 |
| n-aminopiperazine | 140-31-8 | < 5 |

4. FIRST AID MEASURES

EMERGENCY & FIRST AID PROCEDURES

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

Skin Contact: Flush the contaminated skin with water. Use soap if available. If irritation persists, seek medical attention.

Inhalation: Remove the affected person to fresh air. If breathing has stopped apply artificial respiration. Obtain medical attention in severe cases.

Ingestion: DO NOT induce vomiting. Give 250 ml water or milk to drink. Do NOT give anything by mouth to an unconscious person. Seek medical attention immediately.

Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water mist, foam, CO₂, dry powder.

Special Fire Fighting Procedures: Wear goggles or face protection, impervious gloves, self-contained breathing apparatus, protective clothing and footwear.

Unusual Fire and Explosion Hazards: Nitrous fumes may be formed. Cool unruptured containers with water.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Steps to be taken in case material is released or spilled: Absorb the product with sawdust or earth and remove to a safe place for disposal. Flush surface with water.

Waste Disposal Method: Burn in an approved manner.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS AND STORAGE DATA

Special Sensitivity (Heat, Light, Moisture): Store in a ventilated room at ambient temperatures.

STORAGE AND TRANSPORT

Storage Temperature (Min/Max): Ambient

Average Shelf Life: 12 months if stored unopened in original container. On opening some NH₃ vapour may escape.

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:

PERSONAL PROTECTION

Skin and eye protection: Use of safety goggles or face shield is necessary. The use of gloves is necessary. Use of overalls is recommended. Launder contaminated clothing before reuse.

Respiratory Protection: Use in well ventilated areas or with extra ventilation.

FLAMMABILITY

Flammability Limits: Not flammable

9. PHYSICAL/CHEMICAL PROPERTIES

| | |
|--------------------------------|----------------------------|
| Appearance & Odour: | Clear low viscosity liquid |
| Boiling Point: | 222°C |
| Vapour Pressure: | Not established |
| Specific Gravity: | 1.00 gmL ¹ |
| Flash Point: | Not established |
| % Volatile by Volume: | Not established |
| Flammability Limits: | Not flammable |
| Solubility in Water: | <0.01% w/w |

10. STABILITY AND REACTIVITY

REACTIVITY DATA

Stability: Stable under normal storage conditions.

Polymerisation: Will not occur.

Incompatibility (Materials to avoid): Acids, strong oxidising agents and epoxides.

Hazardous decomposition products: Nitrous fumes may be formed if product is burning. Closed containers exposed to extreme heat will build up pressure, eventually exploding releasing toxic fumes.

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE:

Skin and Eyes: Severe irritation when in contact with skin. Prolonged or repeated contact may lead to dermatitic effects. Liquid will cause burns to eyes. High concentration of vapours will irritate eyes.

Ingestion: Product is slightly toxic by ingestion. Product may damage mucous membrane if swallowed.

Inhaled: High concentration of vapour will irritate respiratory tract.

CHRONIC

Human Effects of Over Exposure: Prolonged or repeated exposure may cause skin sensitisation, asthma or other allergic reactions.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL STATEMENT

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.

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14. TRANSPORTATION INFORMATION

| | | | |
|----------------------------|----------------------|----------------|----|
| U.N. No: | 1760 | Haz Chem Code: | 3X |
| Dangerous Goods Class: | 8 | | |
| Proper Shipping Name: | Corrosive liquid NOS | | |
| Packaging Group: | II | | |
| Toxic Substances Schedule: | S3 | | |

15. REGULATORY INFORMATION

HSNO Approval Number: HSR002658

HSNO Classification: 6.1E, 6.5B, 8.2C, 8.3A, 9.1C, 9.3C

16. OTHER INFORMATION

This document was reviewed and revised **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.