

**SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE****Product Name:** FLOORSHIELD SL HARDENER COMPONENT

Synonyms: Modified Cycloaliphatic Amine

**Uses:** Base system for non-slip concrete floor 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: 09 916 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:** 6.1E, 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  
Wear protective gloves/clothing and eye/face protection  
Wash hands thoroughly after handling  
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.  
Specific treatment for cleansing agent on this label.

**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.

**If on Skin** – (or hair) Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash with plenty of soap and water.

If skin irritation or rash occurs, get medical advice/attention.

Use a cleansing agent on skin.

Wash contaminated clothing before reuse.

**If swallowed** – Do NOT induce vomiting.

Rinse mouth.

**If in eyes** – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**In Case of Fire:**

Use water mist, foam, carbon dioxide, 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:	%
3 Amiromethyl-3,5,5 trimethylcyclohexylamine	2855-13-2	20-30
Benzyl alcohol	100-51-6	30-40
Methylene biscyclohexylamine	1761-71-3	10-20
Formaldehyde polymer with phenol & TETA	32610-77-8	5-10
Phenol	108-95-2	< 5

### 4. FIRST AID MEASURES

#### EMERGENCY & FIRST AID PROCEDURES

**Eye Contact:** Flush the 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, carbon dioxide, 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:**

Small: Absorb the product with earth or sawdust and remove to a safe place for disposal. Flush the surface with water.

Large: Prevent liquid from spreading by the use of sand or earth barriers. Transfer the liquid to a salvage tank or drums if possible. Otherwise treat as for a small spillage.

**Waste Disposal Method:** Burn in an approved manner.

## 7. HANDLING AND STORAGE

### SPECIAL PRECAUTIONS AND STORAGE DATA

**Special Sensitivity (Heat, Light, Moisture):**

### STORAGE AND TRANSPORT

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

**Average Shelf Life:** 12 months

## 8. EXPOSURE CONTRAS/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

### PERSONAL PROTECTION

**Skin and eye protection:** The use of safety goggles or face shield is necessary. The use of gloves is necessary.

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

## FLAMMABILITY

**Flammability Limits:** Not flammable

## 9. PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance &amp; Odour:</b>	Low viscosity clear liquid, slight ammoniacal odour
<b>Boiling Point:</b>	Not applicable
<b>Vapour Pressure:</b>	Not available
<b>Specific Gravity:</b>	0.99
<b>Flash Point:</b>	Nil
<b>% Volatile by Volume:</b>	Nil
<b>Flammability Limits:</b>	Not flammable
<b>Solubility in Water:</b>	Negligible

## 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:** Readily absorbed by the skin and may cause nausea, headache and discomfort. Severe irritation when in contact with skin. Prolonged or repeated contact may lead to dermatitic effects. May cause sensitisation. Liquid will cause burns to the eyes. Severe eye irritant.

**Ingestion:** Product is slightly toxic by ingestion. Product may damage mucous membrane and bleeding of the gastrointestinal tract when swallowed.

**Inhaled:** High concentration of vapour will irritate respiratory tract.

#### CHRONIC

**Human Effects of Over Exposure:** This product may cause respiratory sensitisation and chronic toxicity to exposed workers.

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.

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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 on 21 November 2019.

### **Contact:**

**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.