

# SAFETY DATA SHEET

---

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**PRODUCT NAME** : POL 3100Z

**Use of the substance** : Component of a Polyurethane System

**Supplier** :

**Emergency Phone No.** :

---

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture** : Skin sensitization - Category 1

**GHS label elements**

Signal Word : Warning

Hazard statements : May cause an allergic skin reaction

**Precautionary statements**

Prevention : Wear protective gloves. Avoid breathing vapour.

Response : If on skin. Wash with plenty of soap and water, seek medical advice/attention.

Storage : Not applicable.

Disposl : In accordance with all local, regional, national and international regulations.

Symbol :



**Other hazards which do not result in classification**: Not available.

---

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture** : preparation

<u>Ingredient Name</u>	<u>% (w/w)</u>	<u>CAS Number</u>
Triethanolamine	1 - 5%	102-71-6

---

## 4. FIRST-AID MEASURES

**Inhalation** : Remove patient from exposure to fresh air.

**Ingestion** : Provided the patient is conscious, wash out mouth with

---

water and give 200-300 ml (half a pint) of water to drink.  
Do not induce vomiting.

**Skin Contact** : Wash immediately with water followed by soap and water.

**Eye Contact** : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

**Further Medical Treatment**

Notes to physician: Symptomatic treatment and supportive therapy as indicated.

---

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable : Normal extinguishing media.  
Not suitable : None known.

**Specific hazards arising from the chemical** : In a fire, a pressure increase will occur and the container may burst.

**Protective Equipment for fire fighters** : Full protective equipment including suitable respiratory protection.

---

**6. ACCIDENTAL RELEASE MEASURES**

Adsorb spillages onto sand, earth or any suitable adsorbent material.  
Transfer to a container for disposal.  
Wash the spillage area clean with water and detergent.

---

**7. HANDLING AND STORAGE**

**Precautions for safe handling :**

Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing.  
Keep tightly closed when not in use. A basic essential in sampling, handling and storage is the prevention of contact with water. Empty containers retain product residue can be hazardous.

**Conditions for safe storage :**

Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Ingredient name	Exposure limits
None	

Wear suitable gloves and eye/face protection.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state	: Liquid.
Colour	: Colourless.
Odour	: Not available.
Odour threshold	: Not available.
pH	: Not applicable.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: > 110 °C (230°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Explosive limits	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: 1.03
Solubility	: Not available.
Octanol/water partition coefficient	: Not available.
Auto-ignition temperature	: Not available.
Viscosity	: 600 to 900 mPa·s (600 to 900 cps)

---

**10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	: The product is stable.
<b>Possibility of Hazardous Reactions</b>	: Under normal conditions, hazardous reaction will not occur.

Conditions to avoid : No specific data.  
 Incompatible materials : No specific data.  
 Hazardous Decomposition Product : Unlikely under normal industrial use.

**11. TOXICOLOGICAL INFORMATION**

**Information on the likely routes of exposure**

Inhalation : No known significant effects or critical hazards.  
 Ingestion : No known significant effects or critical hazards.  
 Skin Contact : May cause an allergic skin reaction.  
 Eye Contact : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

Inhalation : No specific data.  
 Ingestion : No specific data.  
 Skin Contact : Adverse symptoms may include irritation and redness.  
 Eye Contact : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Acute toxicity**

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Triethanolamine	LD50 Dermal	Rabbit	>2140 mg/kg	-
	LD50 Oral	Rat	>1870 mg/kg	-
	LC50 Inhalation	Rat	>4.31 mg/L	4 hours
	Dusts and mists			

**Chronic toxicity**

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Triethanolamine	Sub-acute	Rat	>50 mg/kg/d	28 days
	NOAEL Oral			

**12. ECOLOGICAL INFORMATION**

**Environmental effects** : No known significant effects or critical hazards.

**Aquatic and terrestrial toxicity**

<u>Product/ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Triethanolamine	-	Acute EC50 60 mg/L	Daphnia	48 hours
	-	Acute LC50 56.2	Algae	72 hours
	DIN	Acute LC50 122	Fish	96 hours

**Biodegradability**

<u>Product/ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Dose</u>	<u>Inoculum</u>
Triethanolamine	-	>60 % -Readily 28 days	-	-

<u>Product/ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Triethanolamine	-	-	Readily

**Bioaccumulative potential**

<u>Product/ingredient name</u>	<u>LogPow</u>	<u>BCF</u>	<u>Potential</u>
Triethanolamine	-0.35	-	low

**Mobility** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

---

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal should be in accordance with local, state or national legislation. Bury on an authorised landfill site or incinerate under approved controlled conditions.

---

**14. TRANSPORT INFORMATION****International transport regulations**

ADR/RID Class	: <u>UN Number</u> : Not regulated
IMDG Class	: Not regulated
IATA Class	: Not regulated

---

**15. REGULATORY INFORMATION**

**Hazard symbol(s)** :  
**Signal Word** : Warning  
**Hazard statements** : May cause an allergic skin reaction

---

---

**PRODUCT NAME:**           **POL 3100Z**

Page: 6/6

---

**16. OTHER INFORMATION**

**MSDS no.**                   : E3100Z  
**Version**                    : 1.0  
**Date of revision**         : 30/12/2011  
**Date of issue**             : 18/06/2012

---

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as warranty, express or implied. In all cases, it is the responsibility of users to determine the applicability of such information or the suitability of any products for their own particular purpose.