

BALLY REF BOXES

## MATERIAL SAFETY DATA SHEET

C-SIDE  
CATALYST**Stepan S.****1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Trade Name **STEPANPOL PB9661**  
Manufacturer **Stepan Company**  
**22 West Frontage Road**  
**Northfield, IL 60093 USA**

**Telephone Numbers - 24 Hour Emergency Assistance**

Medical **800-228-5635**  
Chemtrec **800-424-9300**  
Chemtrec Int'l **703-527-3887**

**Telephone Numbers - General Assistance**

General **(647) 446-7500**

Product Class **Polyol blend**

Product Number **9661**

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient Name	CAS Number	Percent
Glycerol propoxylate	25781-98-2	95 %
Triethylamine	121-44-8	5 %

**3 HAZARDS IDENTIFICATION****Emergency Overview**

Clear liquid,

Warning! Flammable

May cause severe irritation to eyes. May cause irritation to the skin and respiratory system.

**Health Effects: Eyes**

Contact with the eyes may cause moderate to severe eye irritation.

**Health Effects: Skin**

Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

**Health Effects: Inhalation**

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

**Health Effects: Ingestion**

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

## 4 FIRST AID MEASURES

### Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

### Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

### Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

### Ingestion

If the material is swallowed, get immediate medical attention or advice.

## 5 FIRE FIGHTING MEASURES

Flash Point (26.1 °C), 79 F

OSHA Flammability Flammable IC  
Classification

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

### Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL AND LEAK PROCEDURES

#### Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Large Spills: Dike ahead of liquid spill for later disposal. Water spray may reduce vapor, but may not prevent ignition in closed spaces.

## 7 HANDLING & STORAGE

### Handling Procedures

Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Use non-sparking tools when opening or closing containers. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Remove contaminated clothing and wash before reuse.

**Storage Procedures**

Store in a cool, dry, well-ventilated area. Room temperature - normal conditions. Vent container carefully, as needed to relieve pressure.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal Protective Equipment: Eyes/Face**

Wear chemical goggles; face shield (if splashing is possible).

**Personal Protective Equipment: Skin**

Use impervious gloves. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

**Personal Protective Equipment: Respiratory**

If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Respiratory protection may be needed for non-routine or emergency situations. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures.

**Personal Protective Equipment: General**

Eye wash fountain and emergency showers are recommended.

**Triethylamine****121-44-8**

ACGIH - Occupational Exposure Limits - STELs (Short Term Exposure Limits)	3 ppm STEL
ACGIH - Occupational Exposure Limits - TWAs	1 ppm TWA
Mexico - Occupational Exposure Limits - STELs	40 ppm STEL; 160 mg/m3 STEL
Mexico - Occupational Exposure Limits - TWAs	25 ppm TWA; 100 mg/m3 TWA
NIOSH - Pocket Guide - IDLHs (Immediately Dangerous to Life or Health)	200 ppm IDLH
NIOSH - Pocket Guide - Target Organs	skin, eyes, respiratory system, CVS, liver, kidney
OSHA - Final PELs - Time Weighted Averages (TWAs)	25 ppm TWA; 100 mg/m3 TWA

**9 PHYSICAL & CHEMICAL PROPERTIES**

Flash Point	(26.1 °C), 79 F
Boiling Point	( ), Not Determined
Specific Gravity	(8.34 lb/gal), 1.0024 g/ml
Percent Volatile	NIL
Vapor Pressure	Not Determined or Unknown
Vapor Density	Estimated heavier than air.
Evaporation Rate	Estimated slower than ethyl ether.

**Appearance and Odor**

Clear liquid.

**10 STABILITY & REACTIVITY****Chemical Stability**

Stable under normal conditions.

**Incompatibility**

This product may react with strong oxidizing agents.

**Hazardous Decomposition**

Upon decomposition, this product may yield oxides of nitrogen and ammonia.

**Hazardous Polymerization**

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Carcinogenicity**

Not available.

**\_Triethylamine****121-44-8**

ACGIH - Occupational Exposure Limits -  
Carcinogens

NIOSH - Selected LD50s and LC50s

A4 - Not Classifiable as a Human Carcinogen

Inhalation LC50 Mouse: 6 gm/m<sup>3</sup>; Oral LD50 Rat: 460  
mg/kg; Oral LD50 Mouse: 546 mg/kg; Dermal LD50 Rabbit:  
570 uL/kg

**\_Glycerol propoxylate****25791-96-2**

NIOSH - Selected LD50s and LC50s

Oral LD50 Rat: >64 mL/kg; Dermal LD50 Rabbit: >20  
mL/kg

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**

No data available on finished product.

## 13 DISPOSAL CONSIDERATIONS

**Disposal Instructions**

This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulations (40 CFR 261). This material exhibits the characteristic of ignitability and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the material management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this material must be conducted in compliance with all applicable federal, state, and local regulations.

## 14 TRANSPORT INFORMATION

DOT Proper Shipping Name Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

## 15 REGULATORY INFORMATION

## U.S. Federal Regulations

**Triethylamine** 121-44-8

CAA (Clean Air Act) - 1990 Hazardous Air Pollutants [present]

CERCLA/SARA - Section 313 - Emission Reporting 1.0 percent de minimis concentration

CWA (Clean Water Act) - Hazardous Substances Present

TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Saf Effective Date: 1/13/84. Sunset Date: 1/13/94

Ingredient Name	CAS Number	Percent
Glycerol propoxylate	25791-98-2	95 %
Triethylamine	121-44-8	5 %

## Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

Reportable Quantity (RQ) of this product is 100000 pounds based upon Triethylamine (121-44-8) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

## 16 OTHER INFORMATION

## Disclaimer

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HAZARD RATINGS	HMIS	NFPA
Health	2	1
Flammability	3	3
Reactivity	0	0
PPE	X	

Completed On 8/6/03 Replaces Sheet Dated 07/07/2003

Completed By Product Safety & Compliance

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