

# MATERIAL SAFETY DATA SHEET



## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name **POLYSTEP B-27** RING -B-GONE

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 (847) 446-7500

Product Class Alcohol ethoxy sulfate

Product Number 0951

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
Water	7732-18-5	67 - 69 %
Sodium nonylphenol ethoxylate sulfate	9014-90-8	29.5 - 31.5 %
Polyethylene glycol mono(nonyl phenyl) ether	9016-45-9	< 2 %

## 3 HAZARDS IDENTIFICATION

### Emergency Overview

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

### Health Effects: Eyes

This product may cause irritation to the eyes.

### Health Effects: Skin

Prolonged and/or repeated contact may cause irritation and redness.

### 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. If irritation persists get medical attention.

### Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention.

### Inhalation

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

### Ingestion

If ingestion of a large amount does occur, seek medical attention.

## 5 FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 F

OSHA Flammability Classification Combustible III B

### Extinguishing Media

Use appropriate methods for combatting the surrounding fire.

### 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.

Do not touch or walk through spilled material. Wear appropriate personal protective equipment during cleanup. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Large Spills: Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas.

Surfaces may become slippery after spillage.

## 7 HANDLING & STORAGE

### Handling Procedures

Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

### Storage Procedures

Avoid freezing or excessive heat. Store in a dry, well-ventilated area.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Use general ventilation. Use local exhaust ventilation.

### Personal Protective Equipment: Eyes/Face

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

### Personal Protective Equipment: Skin

Wear suitable protective clothing. Use impervious gloves.

### Personal Protective Equipment: Respiratory

If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## 9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point	(> 93.9 °C), > 201 F
Specific Gravity	(8.8 lb/gal), 1.0577 g/ml (@ 25 C)
Percent Volatile	67 - 69 % (w/w)
Vapor Pressure	Not Determined or Unknown
Vapor Density	Estimated lighter than air.
Evaporation Rate	Estimated slower than ethyl ether.
pH Value	7 - 9 (10% in H <sub>2</sub> O)
Freezing Point	(-6.1 °C), 21 F

## 10 STABILITY & REACTIVITY

### Chemical Stability

Stable under normal conditions.

### Incompatibility

This product may react with strong acids or oxidizing agents.

### Hazardous Decomposition

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

### Hazardous Polymerization

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

### Carcinogenicity

Not available.

**Sodium nonylphenol ethoxylate sulfate** 9014-90-8

NIOSH - Selected LD50s and LC50s

Oral LD50 Rat: 10 g/kg

**\_Polyethylene glycol mono(nonyl 9016-45-9 phenyl) ether**

NIOSH - Selected LD50s and LC50s

Oral LD50 Rat: 1310 mg/kg; Oral LD50 Mouse: >50 g/kg;  
Dermal LD50 Rabbit: 2 mL/kg

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

No data available on finished product.

## 13 DISPOSAL CONSIDERATIONS

### Disposal Instructions

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

## 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

**\_Polyethylene glycol mono(nonyl 9016-45-9 phenyl) ether**

TSCA (Toxic Substances Control Act) - Section 8(a) - PAIR - Reporting List Effective 2/10/00; Reporting 4/10/00

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Formaldehyde	50-00-0	
California - Proposition 65 - Carcinogens List	carcinogen, initial date 1/1/88 (gas)	
California - Proposition 65 - No Significant Risk Levels (NSRL)	40 µg/day NSRL	
1,4-Dioxane	123-91-1	
California - Proposition 65 - Carcinogens List	carcinogen, initial date 1/1/88	
California - Proposition 65 - No Significant Risk Levels (NSRL)	30 µg/day NSRL	

### Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL), Europe (EINECS/ELINCS/Polymer/NLP), Japan (ENCS), Australia (AICS), Korea (ECL), Philippines (PICCS)

There is no calculable reportable quantity (RQ) for this product.

## 16 OTHER INFORMATION

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<b>HAZARD RATINGS</b>	<b>HMIS NFPA</b>	
Health	1	1
Flammability	1	1
Reactivity	0	0
PPE	X	

Completed On	06/27/2005	Replaces Sheet Dated	01/15/2004
Completed By	Product Safety & Compliance		