

# Material Safety Data Sheet

**Manufacturer:**  
PDQ MANUFACTURING, INC.  
201 VICTORY CIRCLE  
ELLIJAY, GEORGIA USA 30540  
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**Distributed by:**  
4 STATE MAINTENANCE SUPPLY  
P.O. BOX 591  
COFFEYVILLE, KS 67337  
  
PHONE: 620/251-7033

24 Hour Chemical Emergency for: Spill - Leak - Fire - Accident - Exposure  
CHEMTREC: (800) 424-9300 / Int'l: (703) 527-3887 (collect calls accepted)  
**Reference information – Product ID Code: 4407 / Company Code: A814**

Product Name: **4-S BIO-SOLV**

ID Code: **4407**

Prepared By: W. Drost, Jr.

Date: January 1, 2007

CHEMICAL FAMILY: Alkaline Detergent  
FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):	Exposure Limits, ppm	
	%	<u>ACGIH TLV</u> <u>OSHA-PEL</u>
Dipropylene glycol methyl ether (345-94-8) (Glycol Ether DPM)	<10	100

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS (CAS#):N/A  
Carcinogenic Ingredients: Contains no known or suspected carcinogens.

## PHYSICAL PROPERTIES:

Boiling Point: 220°F.	% Volatile: 85.
Solubility in Water: Complete.	Vapor Pressure: Same as water.
Specific Gravity - Liquid (H <sub>2</sub> O = 1): 1.0.	Vapor Density (Air = 1): N/A.
Appearance and Odor: Clear, orange liquid with pleasant odor.	

## FIRE AND EXPLOSION DATA:

Flash Point: None.  
Flammability Limits: N/A.  
Extinguishing Media: Water, CO<sub>2</sub>, foam, dry chemical.  
Special Fire Fighting Procedures: Cool drums with water mist.  
Unusual Hazards: None.

## HEALTH EFFECTS:

**Threshold Limit Value: Not determined for this product.**

**Primary routes of entry:** Eye and skin contact.

### Effects of overexposure:

Skin Contact: May produce a mild to moderate skin irritation.  
Ingestion: If swallowed, call a physician. Do not induce vomiting unless instructed by a physician. See note in First Aid.  
Eye Contact: May produce burning and irritation.  
Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation.

### Chronic effects of overexposure:

None known or expected.

### Medical conditions that may be aggravated by exposure:

None known or expected.

## EMERGENCY AND FIRST AID PROCEDURES:

**Eye Contact:** Flush thoroughly with plenty of water for 15 minutes. If irritation persists, get medical attention immediately.

**Skin Contact:** Flush thoroughly from skin with water. If irritation persists, see a physician.

**Ingestion:** If ingested, if conscious, administer large quantities of water and induce vomiting. Follow with milk of magnesia, milk, or olive oil. Do not administer anything by mouth to a person that is unconscious. Get medical attention immediately.

**Inhalation:** Remove victim to fresh air. If breathing does not return to normal after a few minutes, get medical attention.

## REACTIVITY DATA:

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility: None.

Hazardous Decomposition Products: None.

Conditions to Avoid: None.

## SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Stop spill at source. Floors may become slippery, avoid falls. For large spills, pump into salvage tank. For small spills, absorb onto sand, earth or other suitable absorbent. Disposal must be in accordance with local, state and federal regulations.

## SPECIAL PROTECTION INFORMATION:

Ventilation: No special ventilation required.

Respiration Protection: None required under normal use.

Eye Protection: Wear while transferring this product.

Protective Gloves: None required in normal use.

Other Protective Equipment: None required.

## SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a dry place.

Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None.

## HAZARD RATING:

Health:	1	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	
Specific Hazard: Non-Corrosive			

SHIPPING INFORMATION (DOT/UN Classification) 90  
COMPOUND, CLEANING, LIQUID

Disclaimer: The information contained in this Material Safety Data Sheet is provided pursuant to 29CFR 1910.1200 to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.