

# MATERIAL SAFETY DATA SHEET

POLARSOLV

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Revised: January 03, 2005

PRODUCT CODE: B010028

HMIS CODES: H F R P

1 2 0 X

## SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Day International Chemical Products Div.

ADDRESS : 905 South Westwood Avenue  
Addison, Illinois 60101

EMERGENCY PHONE: 800-424-9300

INFORMATION PHONE: 800-336-8276

NAME OF PREPARER: DAY Chemical Prod. Div.

DATE PRINTED: 01/03/2005

REASON REVISED: Update; Supersedes All Previous Revisions.

## SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR MM HG @	PRESSURE TEMP	WEIGHT PERCENT
Petroleum Naphtha	64742-47-8	2.8	68°F	25
OSHA PEL: 500ppm TWA, ACGIH® TLV®: N/E, Mfg.: 100ppm				
* 2-Butoxy Ethanol	111-76-2	0.8	68°F	25
OSHA PEL: 50ppm SKIN, ACGIH® TLV®, TWA: 20ppm				
Petroleum Naphtha	64742-95-6	2.7	68°F	24
OSHA PEL: N/E, ACGIH® TLV®: N/E, Mfg: 50ppm				
* 2-Propoxyethanol	2807-30-9	1.30	68.0°F	15
OSHA PEL: N/E, ACGIH® TLV®: N/E, Mfg: TWA 25ppm SKIN				
* 1,2,4-Trimethyl Benzene	95-63-6			9
* Xylenes	1330-20-7			1
Hazardous Air Pollutant				

\* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372. All ingredients are listed on the EPA TSCA Inventory.

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE/POINT: 301°F - 340°F

SPECIFIC GRAVITY (H2O=1): .86

VAPOR DENSITY: Heavier than air.

EVAPORATION RATE: Slower than n-Butyl Acetate.

V.O.C. (EPA METHOD 24): 7.14 lb/gal

VAPOR PRESSURE (MM HG @ 20°C): 2.0

SOLUBILITY IN WATER: Less Than 5%

APPEARANCE AND ODOR: Clear Liquid - Petroleum Odor

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 108°F

METHOD USED: TAG CC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0%

UPPER: 15.8%

### EXTINGUISHING MEDIA:

Foam, CO2, Dry Chemical, Water Fog.

### SPECIAL FIREFIGHTING PROCEDURES:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved) and full protective gear. Water may not be effective to extinguish fire. Use water spray to cool fire-exposed containers and to protect personnel.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Treat as Petroleum Fire.

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### **SECTION 5 - REACTIVITY DATA**

#### **STABILITY:**

Stable

#### **CONDITIONS TO AVOID:**

Avoid heat, sparks, flame and other sources of ignition.

#### **INCOMPATIBILITY (MATERIALS TO AVOID):**

Avoid mixing with strong oxidizing agents.

#### **HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Burning will produce oxides of carbon and dense smoke.

#### **HAZARDOUS POLYMERIZATION:**

Will Not Occur.

### **SECTION 6 - HEALTH HAZARD DATA**

#### **INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Breathing high concentrations of vapors will cause irritation of the nose and throat. Signs of central nervous system depression such as headache, drowsiness, dizziness and nausea may be experienced with overexposure.

#### **SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin and eye contact may cause moderate to severe irritation.

#### **SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin contact will result in absorption and potentially contribute to the overall exposure to the chemical 2-Butoxy ethanol. Skin contact will result in absorption and potentially contribute to the overall exposure to the chemical 2-Propoxyethanol.

#### **INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Ingredients in this product are toxic. Ingestion may cause nausea, moderate gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

#### **HEALTH HAZARDS (ACUTE AND CHRONIC):**

Repeated or abusive breathing of concentrated vapors may effect pulmonary, cardiovascular, and central nervous systems. Repeated skin contact will dry out and crack skin. Aspiration hazard if swallowed; aspiration of product into the lungs can cause chemical pneumonitis.

**CARCINOGENICITY: NTP CARCINOGEN: No**

**IARC MONOGRAPHS: No**

**OSHA REGULATED: No**

**This product contains no known carcinogens.**

#### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Skin contact may aggravate pre-existing dermatitis. Inhalation of vapors may aggravate pre-existing asthma like conditions.

#### **EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove victim to fresh air. Give oxygen if breathing is labored. Apply artificial respiration if not breathing. Seek medical help.  
**SKIN:** Remove all contaminated clothing and shoes. Wash with soap and water. Do not reuse clothing and shoes until cleaned. **EYES:** Flush eyes with plenty of water while removing any contact lenses. Hold eyelids open and continue flushing for at least 15 minutes.  
**INGESTION:** DO NOT INDUCE vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention immediately.

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### **SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE**

#### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Eliminate all ignition sources. Spills should be diked and must be kept from entering the sewer. Soak up with absorbent or transfer liquid into a closed container for later disposal. Use spark-proof tools and explosion proof equipment.

#### **WASTE DISPOSAL METHOD:**

If this product as supplied, becomes a waste it is regulated by RCRA as Ignitable Waste, EPA I.D. #D001. Suitable methods of disposal include reclamation and fuel blending. Contact a Licensed Hazardous Waste Hauler for more information.

#### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Containers should be grounded and bonded before transferring product. Store in the original closed container away from sunlight, excess heat, sparks, flames and other sources of ignition. Avoid skin or eye contact. Avoid breathing vapors. When transferring or using this product, wear proper personal protective equipment. Store and handle as a Combustible Liquid.

#### **OTHER PRECAUTIONS/DOT INFORMATION:**

DOT Proper Shipping Name: Combustible Liquid n.o.s. (Naphtha), Hazard Class: Combustible Liquid, ID No.: NA1993, Packing Group: III. Non-bulk Limited Quantity. Not regulated as per 49CFR 173.150 (f)(2). IMDG Code: Flammable Liquid n.o.s. (petroleum naphtha/2-propoxyethanol) Class 3, UN1993, PG III Flash Point above 42°C.

### **SECTION 8 - CONTROL MEASURES**

#### **RESPIRATORY PROTECTION:**

The use of respiratory protection is advised when concentrations exceed the established exposure limits in SECTION 2. Depending on the airborne concentration, use a respirator with appropriate organic vapor cartridge (NIOSH approved).

#### **VENTILATION:**

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits in SECTION 2, additional general ventilation or local exhaust systems may be required.

#### **PROTECTIVE GLOVES:**

Wear solvent resistant gloves made of butyl or nitrile rubber.

#### **EYE PROTECTION:**

Wear safety glasses with side shields.

#### **OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

A personal protective rating of X means you must see your supervisor for guidance. OSHA regulations (29CFR Part 1910, Subpart I) require employers to evaluate Personal Protective Equipment requirements in the workplace

#### **WORK/HYGIENIC PRACTICES:**

Wash with soap and water after product contact with skin.

### **SECTION 9 - DISCLAIMER**

The information on this MSDS is believed to be accurate as of the date shown in SECTION 1. Since the use of this product is not under the control of DAY Chemical Products Division, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.