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# MATERIAL SAFETY DATA SHEET

## Synthrapol

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### **Section 01 - Product Information**

#### **Identification of the company:**

PRO Chemical & Dye  
P.O. Box 14  
Somerset, MA 02726

**Emergency tel. number:** 800-424-9300 CHEMTREC

**Trade name:** Synthrapol

**Formula:** Proprietary Mixture

**Primary product use:** Textile Auxiliary Chemical

**Chemical family:** Mixture Of Alkoxylates

### **Section 02 - Composition information on hazardous ingredients**

#### **Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Dipropylene glycol monomethyl ether	34590-94-8	>6-<7%
2-Propanol	67-63-0	<2%
Ethoxylated Alcohols		> 8 - < 12 %

### **Section 03 - Hazards identification**

#### **Expected Route of entry:**

**Inhalation:** yes

**Skin contact:** yes

**Eye contact:** yes

**Ingestion:** yes

**Skin absorption:** no

#### **Health effects of exposure:**

Dipropylene Glycol Monomethyl Ether ( 34590-94-8 )

Dipropylene Glycol Monomethyl Ether: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Prolonged exposure not likely to cause significant skin irritation. Prolonged skin contact with very large amounts may cause drowsiness. Single dose oral toxicity is considered to be extremely low. Excessive exposure may cause irritation to upper respiratory tract. Signs and symptoms of excessive exposure

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may be anesthetic or narcotic effects. Observations in animals include minor liver or kidney effects. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus.

Isopropanol (67-63-0 )

Isopropanol: Inhalation irritant. Indefinite carcinogenic determination (IARC). Toxicity is low via dermal and moderate via oral and intraperitoneal routes. An eye irritant. Acts as a local irritant and in high concentrations as a narcotic. It can cause corneal burns and often eye damage. It is not considered an important toxic hazard. Ingestion or inhalation of large quantities of the vapor may cause flushing, headache, dizziness, mental depression, nausea, vomiting, narcosis, anesthesia and coma. 100 ml can be fatal. The following is a summary of TSCA Section 4 Test Rule results: large doses given to pregnant rats and rabbits ( > 800 *mg/kg/day* and 480 *mg/kg/day* respectively) produced evidence of toxicity in the mothers but little evidence of fetal or embryo toxicity (except for slight decreases in fetal weights in rats). No evidence of teratogenicity was noted in either species.

Ethoxylated Alcohol

Some ethoxylated alcohols have been known to cause eye and skin irritation. Ingestion may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

**Known effects on other illnesses:** No known effects on other illnesses for this product.

**Listed carcinogen:**

IARC: No  
NTP:No  
OSHA: No  
Other: No

HMIS:

Health: 1\*  
Flammability: 2  
Reactivity: 0  
Personal protection: B

**Section 04 - First aid measures**

**After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**After contact with skin:**

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

**After contact with eyes:**

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**After ingestion:**

If ingested, seek medical assistance immediately.

**Advice to doctor/Treatment:**

None known.

**Section 05 - Fire fighting measures**

**Flashpoint:** 183F

Method: closed cup

**Lower explosion limit:** not determined

**Upper explosion limit:** not determined

**Ignition temperature:** not determined

**Hazardous combustion products:**

Thermal decomposition may produce oxides of carbon.

**Extinguishing media:**

water  
Alcohol resistant foam carbon dioxide  
Dry Chemical  
Water / Fog Spray

**Special fire fighting procedure:**

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

**Unusual fire and explosion hazards:** None known.

**Section 06 - Accidental release measures**

**Steps to be taken in case of spill or leak:**

Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbents. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils. place in appropriate containers.

**Section 07 - Handling and storage**

**Advice on safe handling:**

Keep from freezing.

**Section 08 - Exposure controls / personal protection**

DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	US OSHA Table Z-1-A Data	Time Weighted Average (TWA):	100 ppm	600 mg/m3
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	US OSHA Table Z-1-A Data	Short Term Exposure Limit (STEL):	150 ppm	900 mg/m3
BIS-(2-METHOXYPROPYL) ETHER (DPGME)	34590-94-8	US ACGIH Threshold Limit Values Data	Time Weighted Average (TWA):	100 ppm	
BIS-(2-METHOXYPROPYL) ETHER (DPGME)	34590-94-8	US ACGIH Threshold Limit Values Data	Short Term Exposure Limit (STEL):	150 ppm	
ISOPROPYL ALCOHOL	67-63-0	US OSHA Table Z-1-A Data	Time Weighted Average (TWA):	400 ppm	980 mg/m3
ISOPROPYL ALCOHOL	67-63-0	US OSHA Table Z-1-A Data	Short Term Exposure Limit (STEL):	500 ppm	1,225 mg/m3
ISOPROPANOL	67-63-0	US ACGIH Threshold Limit Values Data	Time Weighted Average (TWA):	200 ppm	
ISOPROPANOL	67-63-0	US ACGIH Threshold Limit Values Data	Short Term Exposure Limit (STEL):	400 ppm	

**Respiratory protection:** NIOSH approved respirator - chemical cartridge respirator with appropriate cartridge, if required.

**Hand protection:** Butyl Rubber, PVC Or Neoprene.

**Eye protection:** Chemical splash goggles.

**Other protective equipment:** None known

**Advice on system design:** Local ventilation recommended - mechanical ventilation may be used.

**IDLH:**

Not Determined

### **Section 09 - Physical and chemical properties**

Form:	Liquid
Color:	clear
Odor:	Mild odor.
Solubility in water:	miscible
Freezing point:	not determined
Boiling point:	212F

### **Section 10 - Stability and reactivity**

**Chemical stability:** Stable.

**Hazardous Polymerization:** Will not occur.

Conditions to avoid: None known.

**Conditions to avoid:** None known

### **Section 11 - Toxicological information**

**Product information:**

**Acute oral toxicity:** LD50 (rat)  
not determined

**Skin irritation:** Not tested

**Eye irritation:** Not tested

### **Section 12 - Ecological information**

**Remarks:**

No data available.

### **Section 13 - Disposal considerations**

**Waste disposal information:**

Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

**RCRA hazardous waste:**

No -- Not as sold.

### **Section 14 - Transport information**

**DOT Regulation:**

Proper shipping name:	Combustible liquid, n.o.s.
Hazard class:	C
Packing group:	III
UN/NA-number:	NA 1993
Technical Name:	Isopropanol
IATA	not restricted
IMDG	not restricted

**Further information:**

Not regulated for surface transportation in non-bulk containers under 119 gallons.

**Section 15 - Regulatory information**

**TSCA Status:**

All components of this product are listed on the TSCA Inventory.

**SARA (section 311/312):**

Reactive hazard: no  
Pressure hazard: no  
Fire hazard: yes  
Immediate/acute: yes  
Delayed/chronic: yes

**SARA 313 information:**

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1 %.

**Volatile organic compounds VOC:**

Content VOC (weight-%): 8.2 %

Method: EPA Method 24

**FDA:**

Permitted for Use per NONE

Section: This product is not registered with the FDA.

**Section 16 - Other information**

**Other precautions:**

Keep containers closed. Avoid getting on skin or in eyes when handling product.

**Label information:**

CAUTION!

MAY CAUSE IRRITATION TO EYES AND SKIN MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. COMBUSTIBLE LIQUID AND VAPOR

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear proper protective equipment. Keep container closed when not in use. Avoid breathing fumes, vapors, mists or spray. Avoid contact with skin and eyes. Use with adequate ventilation and/or respiratory protection. Wash thoroughly after handling. Keep container closed when not in use. Keep away from heat, sparks and open flames. Store in proper container and keep container closed when not in use.

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.