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# MATERIAL SAFETY DATA SHEET

## Synthrapol

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

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

PRO Chemical & Dye  
126 Shove Street Fall River, MA 02724

#### **Emergency Telephone Numbers:**

800-255-3924 ChemTel. (United States)  
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**Trade name:** Synthrapol

**Formula:** Proprietary Mixture

**Primary product use:** Textile Auxiliary Chemical

**Chemical family:** Ethoxylated Compound

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

#### **Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
2-Propanol	67-63-0	5-10%

### **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:**

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.

**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: 2  
Flammability: 2  
Reactivity: 0  
Personal protection: D

**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:** 172.4F Method: closed cup

**Lower explosion limit:** not tested

**Upper explosion limit:** not tested

**Ignition temperature:** not tested

**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:**

Avoid getting on skin or in eyes when handling product.

**Further info on storage conditions:**

Keep containers closed.

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

Component	CAS number	Regulatory list	Type of Value	Values/Remarks
Isophthalic acid	67-63-0	AIHA. Workplace Environmental Exposure Levels (WEEL)	Time-weighted average (8 hour)	10mg/m <sup>3</sup>
Isophthalic acid	67-63-0	AIHA. Workplace Environmental Exposure Levels (WEEL)	Time Weighted Average (8 hour):	5mg/m <sup>3</sup>
Isopropyl alcohol	67-63-0	US OSHA Table Z-1- Limits for Air Contaminants (29 CFR 1910.1000)	8-hour Time Weighted Averages	400 pp; 980 mg/m <sup>3</sup>
Isopropanol	67-63-0	US ACGIH Threshold Limit Values	Threshold Limit Value_Time Weighted Average	200 ppm
Isopropanol	67-63-0	US ACGIH Threshold Limit Values	Limit Value_Short_Term Exposure Limit	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:** Clothing suitable to prevent skin contact

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

**IDLH:**

Not Determined

**Section 09 - Physical and chemical properties**

Form: Liquid  
 Color: pale yellow  
 Odor: Alcohol odor.  
 pH: 6.0-7.0 (20g/l)  
 Solubility in water: soluble  
 Density: not tested  
 Freezing point: not determined  
 Boiling point: not determined

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

**Chemical stability:** Stable.

**Hazardous Polymerization:** Will not occur.

Conditions to avoid: None known.

**Conditions to avoid:** Strong oxidizing agents

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

**Product information:**

**Acute oral toxicity:** LD50 (rat)

Not tested

**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.

RCRA number: NONE

### **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: 2-propanol

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: no

**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-%): 7.3 %

Method: EPA Method 24

**FDA:** This product is not registered with the FDA.

**Section 16 - Other information**

**Other precautions:**

None known.

**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.

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