

MATERIAL SAFETY DATA SHEET

Synthrapol SP liq

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Substance key: CLT276180-V1
Version : 1 - 1 / USA

Revision Date: 11/19/2004
Date of printing :12/15/2006

Section 01 - Product Information

Identification of the company:

Clariant Corporation
4000 Monroe Road
Charlotte, NC, 28205
Telephone No.: +1 704 331 7000

Information of the substance/preparation:

Textile, Leather, and Paper Chemicals
Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: Synthrapol SP liq
Material number: 172238
Formula: Proprietary
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.

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**Known effects on other illnesses:
Listed carcinogen:**

No known effects on other illnesses for this product.
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:

172.4 °F

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.

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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 absorbants. 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

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:

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.

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pH: 6.0 - 7.0 (20 g/l)
Solubility in water: soluble
Density: not determined
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 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.
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

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Emergency Response Guide: 128

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.

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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.

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. (R) and TM indicate trademarks of Clariant AG, its business partners or suppliers.