

MATERIAL SAFETY DATA SHEET

01302-1015

Synthrapol

1202

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SECTION 1 NAME & HAZARD SUMMARY

Material name:
 SYNTHRAPOL® SP

Hazard summary (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):

Physical hazards: None
 Health hazards: Irritant (eye), corrosive (skin). Based on isopropanol -
 inhalation (TLV), irritant (skin sensitizer), harmful (central nervous system
 depression, gastrointestinal disturbance).

Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 2 INGREDIENTS

		OSHA PEL
Polyoxyethylene alkyl ether		Not listed
Sulfated alkyl aryl sulfonate, sodium salt		Not listed
Isopropyl alcohol (CAS 67-63-0)	lt 10	400 ppm
Water	ca 50	Not listed

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications. gt = greater than, lt = less than, ca = approximately

SECTION 3 PHYSICAL DATA

Boiling point: No data
 Vapor pressure (mmHg at 20°C): No data
 Vapor density (air = 1): No data
 Solubility in water: Soluble
 pH: No data
 Specific gravity: No data
 * Volatile by volume: No data
 Appearance and odor: Pale yellow liquid

V-1895

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash point (and method): Does not flash
 Autoignition temp.: No data
 Flammable limits (STP): Not applicable

Extinguishing media:

Not applicable. Use media suitable for surrounding fire.

Special fire fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

Unusual fire and explosion hazards:

None known.

MATERIAL SAFETY DATA SHEET (continued)

SYNTERAPOL SP

SECTION 5 REACTIVITY DATA

Stability:

Stable under normal conditions.

Incompatibility (materials to avoid):

Oxidizing agents.

Hazardous decomposition products:

Combustion products of dry material: Carbon dioxide, carbon monoxide.

Hazardous polymerization:

Will not occur.

SECTION 6 HEALTH HAZARD ASSESSMENT

General:

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Ingestion:

The acute oral LD₅₀ in rat is 7.08 g/kg. The acute oral LD₅₀ in mouse is 14.2 g/kg. Relative to other materials, a single dose of this product is practically nontoxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Eye contact:

This material is severely irritating in rabbit eye studies; a similar degree of irritation will probably occur after human eye contact.

Skin contact:

This material induced chemical burns in a 24-hour rabbit dermal irritation study. Short contact periods with human skin are not likely to produce irritation, but repeated and/or prolonged contact can induce skin burns. Isopropyl alcohol has been reported to induce allergic (contact) dermatitis.

Skin absorption:

Isopropyl alcohol is absorbed through skin when exposures are severe, prolonged or repeated. However, systemically toxic concentrations of this preparation will probably not be absorbed through human skin.

Inhalation:

Vapors and aerosols of isopropyl alcohol can irritate eyes, nose and respiratory passages.

Other effects of overexposure:

Other adverse clinical reactions from extreme isopropyl alcohol exposures may include mucous membrane irritation, dizziness, drowsiness, headache, gastrointestinal pain, nausea, vomiting, diarrhea, decreased urination, loss of reflexes, central nervous system stimulation, hypotension, respiratory depression, stupor and unconsciousness followed by death secondary to respiratory arrest.

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MATERIAL SAFETY DATA SHEET (continued)

SYNTHRAPOL SP

SECTION 6 HEALTH HAZARD ASSESSMENT (continued)**Other effects of overexposure (continued):**

The manufacture of isopropyl alcohol by the strong acid process is associated with paranasal sinus and laryngeal cancer in man. No other information or data have linked isopropyl alcohol with cancer.

However, since exposure potential is a critical element in the expression of a potential health hazard, this product, if handled in accordance with good industrial hygiene practices, will not present an actual hazard in the workplace.

First aid procedures:

Skin: Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel.. (Never give anything by mouth to an unconscious person.)

Inhalation: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION 7 SPILL OR LEAK PROCEDURES**Steps to be taken in case material is released or spilled:**

Wear skin, eye and respiratory protection during cleanup. Soak up liquid with absorbent and shovel into waste container. Cover container and remove from work area. Wash down spill area with water and flush to a sewer serviced by a wastewater treatment facility.

Disposal method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all hazardous product residue and puncture or otherwise destroy empty container before disposal.

SECTION 8 SPECIAL PROTECTION INFORMATION**TLV® or suggested control value:**

*** No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL for the ingredients (see Section 2) may not be sufficient. Minimize exposure in accordance with good hygiene practice. The OSHA PEL and ACGIH TLV for Isopropyl alcohol is 400 ppm 8-hour TWA, 500 ppm STEL.

Ventilation:

Use local exhaust to keep exposures to a minimum.

Respiratory protection (specify type):

If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m³.

MATERIAL SAFETY DATA SHEET (continued)

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SECTION 8 SPECIAL PROTECTION INFORMATION (continued)

Protective clothing:

Impervious gloves. Depending upon conditions of use, additional protection may be required such as apron, arm covers or full body suit.

Eye protection:

Chemical tight goggles and full faceshield.

Other protective equipment:

Eyewash station and safety shower in work area.

SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling or storing:

Prevent skin and eye contact. Observe TLV limitations. Avoid breathing vapors or aerosols. A sensitized individual should not be exposed to the product which caused the sensitization.

SECTION 10 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Section 8(b) Inventory.

***** CERCLA and SARA Regulations (40 CFR 355, 370, and 372):**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

***** State Regulations:**

California Proposition 65: WARNING. This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

The information herein is given in good faith
but no warranty, expressed or implied, is made.

Prepared/Reviewed: 10/31/86

***This line or section contains revisions or new statements since the last issue date.