
MATERIAL SAFETY DATA SHEET

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Revised 1/17/01
Replaces 6/14/00
Printed 2/08/01

SYNTHRAPOL SP
UNIQEMA
MSDS ID: 001202

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Name:
SYNTHRAPOL(R) SP

Uniqema
Uniqema Corporate Center
1000 Uniqema Boulevard
New Castle, DE 19720-2790
Uniqema Operator (24 hr.): (302) 574-5000
Medical Emergency (24 hr.): (888) 456-6218
Chemical Emergency (24 hr.) - Involving Transportation
Spills, Leaks, Fires, or Accidents: (800) 424-9300

Uniqema is an international business of Imperial Chemical Industries PLC. Uniqema Operates through ICI affiliated companies in the relevant countries, such as ICI Americas Inc., Unichema, a division of Indopco Inc., and Mona Industries in the USA.

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	OSHA PEL
Polyoxyethylene alkyl ether	Not listed
Alkyl aryl sulfonate salt	Not listed
Isopropyl alcohol (CAS 67-63-0)	400 ppm
Water	Not listed

Ingredients not precisely identified are proprietary or nonhazardous.

Values are not product specifications.

3 HAZARDS IDENTIFICATION

General:

No toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on similar preparations.

Emergency Overview:

Appearance: Pale yellow liquid
CAUSES EYE BURNS. CAUSES SKIN IRRITATION. REPEATED/PROLONGED CONTACT MAY CAUSE SKIN BURNS. INHALATION OR INGESTION MAY CAUSE MUCOUS MEMBRANE IRRITATION.

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3 HAZARDS IDENTIFICATION (Cont.)

Routes of exposure: Eye contact; Skin contact; Inhalation

Symptoms of Overexposure (Acute & Chronic):

Eye contact:

This material will probably cause burns to human eyes following contact.

Skin contact:

This material will probably cause severe skin irritation.

Prolonged contact can result in skin burns.

Repeated contact can result in skin burns.

This product will probably not be absorbed through human skin.

Inhalation:

Inhalation of this material will probably cause irritation to respiratory passages.

No toxic effects are known to be associated with inhalation of this material.

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

Ingestion:

In humans, irritation of the mouth, pharynx and esophagus can develop following ingestion of this product.

This material may be harmful if swallowed.

Ingestion of isopropanol may cause CNS depression, headache, drowsiness, loss of coordination, hypotension, hypothermia, kidney and liver dysfunction, and coma. Isopropanol can be fatal if as little as 100mL is ingested.

4 FIRST AID MEASURES

Eyes:

Immediately flush with plenty of water for at least 15 minutes. Have eyes examined and treated by medical personnel.

Skin:

Wash material off of the skin with soap and plenty of water. Get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Ingestion:

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4 FIRST AID MEASURES (Cont.)

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

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

5 FIRE FIGHTING MEASURES

Flashpoint and method: Not applicable
Autoignition temperature: No data.
Flammable limits (LEL/UEL): No data.

Extinguishing media:

Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Special fire-fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

None known.

Explosion data:

Sensitivity to mechanical impact: Not applicable

Sensitivity to static discharge: Not applicable

6 ACCIDENTAL RELEASE MEASURES

Refer to Section 8 for proper personal protective equipment.

Steps to be taken in case material is released or spilled:

Soak up material with absorbent and shovel into a chemical waste container.

Wash residue from spill area with water and flush to a sewer serviced by a permitted wastewater treatment facility.

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7 HANDLING AND STORAGE

Storage requirements: 50-90 deg F in original closed container.

Precautions to take during handling and storage:

- Do not get in eyes.
- Prevent skin contact.
- Avoid breathing this material.
- Do not swallow.
- Normal chemical handling and storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

- No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL and/or TLV for the ingredients (see Section 2 and/or below) may not be sufficient. Minimize exposure in accordance with good hygiene practice.
- The OSHA PEL and ACGIH TLV for isopropanol is 400 ppm.

Engineering controls:

- Use ventilation adequate to maintain safe levels.

Eye protection:

- Chemical tight goggles and full faceshield.

Protective clothing:

- Impervious gloves and apron.

Respiratory protection:

- If needed, use MSHA-NIOSH approved respirator for organic vapors.

Other protective equipment:

- Eyewash station and safety shower in work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & odor: Pale yellow liquid
Odor threshold: No data
Boiling point: No data
Melting point: No data
Vapor pressure (mm Hg at 20 deg. C): No data
Vapor density (air = 1): No data
Solubility in water: Soluble

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9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

pH: No data
Specific gravity: No data
% Volatile by volume: No data
Cloud point: No data
Viscosity: No data
Partition Coefficient: No data
Coefficient of water/oil distribution: No data
Freezing point: No data

10 STABILITY AND REACTIVITY

Stability:
Stable under normal conditions.

Incompatibility:
Oxidizing agents.

Conditions to avoid:
Heat, sparks, and open flame

Hazardous decomposition products:
Combustion products: Carbon dioxide, carbon monoxide. Nitrogen oxides,
ammonia. Sulfur oxides. Hydrogen sulfide.

Hazardous polymerization:
Will not occur.

11 TOXICOLOGICAL INFORMATION

No data available on this material.

Carcinogenicity: This material is not listed as a carcinogen by OSHA, IARC,
and NTP.

Reproductive toxicity/Teratogenicity: No available information.

Mutagenicity: No available information.

Toxicologically synergistic products: None known.

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12 ECOLOGICAL INFORMATION

No data is available on this product.

13 DISPOSAL CONSIDERATIONS

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.
May contain explosive vapors.

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

14 TRANSPORT INFORMATION

Department of Transportation:

Not regulated.

TDG (Transportation of Dangerous Goods):

Not regulated.

15 REGULATORY INFORMATION

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

All ingredients are on the TSCA Chemical Substance Inventory.

DSL (Canadian Domestic Substances List):

All ingredients are listed on the Canadian DSL.

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Hazards: None.

Health Hazards: Corrosive (eye); Irritant (skin); Inhalation (TLV)

WHMIS Classification:

Class D, Division 2 -- Toxic.

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

This material contains the following chemicals subject to the reporting
requirements of SARA 313:

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15 REGULATORY INFORMATION (Cont.)

CAS NUMBER CHEMICAL NAME
67-63-0 ISOPROPYL ALCOHOL (MANUFACTURING-STRONG ACID PROCESS)

SARA 311/312 Hazard Categories:

Immediate: YES
Delayed: NO
Fire: NO
Pressure: NO
Reactivity: NO

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.

16 OTHER INFORMATION

We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.*

HMIS Information
Health 3
Flammability 1
Reactivity 0

NFPA Information
Health 3
Flammability 1
Reactivity 0

*This information is intended solely for the use of individuals trained in the particular hazard rating system.

This Material Safety Data Sheet was prepared by Uniqema's Regulatory Services Department.
Date: 05/10/00

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16 OTHER INFORMATION (Cont.)

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

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