

SAFETY DATA SHEET

SAVOGRAN
ISOPROPANOL

Revision: 3/10/2015

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1. Product and Company Identification

Product Name : ISOPROPANOL
Product Code : 1440N
Recommended Use: Solvent

Company Identification:

SAVOGRAN
259 LENOX STREET
PO BOX 130
NORWOOD, MA 02062-0130
Information Phone: 781-762-5400
Emergency Phone: 800-424-9300
Website Address: www.savogran.com

Synonyms: 401201,401206,401280,Isopropyl Alcohol,IPA99

2. Hazards Identification

Classification:

Flammable liquids: Category 2/Eye irritation: Category 2A/Specific target organ toxicity(single exposure): Category 3



Label Hazard Statement:

WARNING! FLAMMABLE. Vapors harmful. Skin and eye irritant. May affect the brain or nervous system, causing dizziness, headache or nausea. Causes eye, nose, throat and skin irritation. Keep away from heat, sparks and flame.

Potential Health Effects:

Eye:

May cause eye irritation. Symptoms include stinging, tearing, and redness.

Skin:

Short contact - no irritation. Prolonged or frequently repeated contact can cause irritation.

Ingestion:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

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Inhalation:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, headache and nausea.

Chronic Overexposure Information:

NO DATA

Teratology and Reproduction Information:

NO DATA

Aggravation of Pre-Existing Conditions:

Persons thought to have heart or respiratory problems should seek medical advice before using solvents of any kind. If signs of allergy develop (breathing difficulty, eye itching, prolonged itching or redness of the skin, headaches, dizziness, etc.) discontinue use of product immediately and consult a physician. Caution: Drinking alcohol shortly before, during or after exposure to some solvents may cause undesirable effects.

OSHA Hazard Communication Standard:

This product is defined as hazardous by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

3. Composition/Information on Ingredients

Component	CAS#	% by Wt.
ISOPROPYL ALCOHOL ACGIH 200 ppm TWA/400 ppm STEL, A4 OSHA 400 ppm TWA	67-63-0	95% - 100%

4. First Aid Measures

Eyes:

Rinse with water for 15 minutes. If irritation persists seek medical attention.

Skin:

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual.

Inhalation:

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention.

Note to Physicians:

NO DATA

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5. Fire Fighting Measures

Flammable Properties:

WARNING! FLAMMABLE. Keep away from heat, sparks, flame and all other sources of ignition. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated.

Hazardous Combustion Products:

May form carbon dioxide and carbon monoxide.

Extinguishing Media:

Carbon dioxide (CO₂), Dry chemical, Alcohol-resistant foam.

Firefighting Procedures:

Wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Straight water steam will spread fire. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.

6. Accidental Release Measures

Small Spill:

Wipe or scrape up any material. Wash area thoroughly with detergent and water; ventilate adequately with good fresh air movement at floor level.

Large Spill:

Wear proper protective equipment. Stop spill at source, dike area of spill to keep from spreading and keep out of ground water and streams. Transfer material to metal containers. Absorb remainder with sand, clay, earth, floor absorbent or other material and shovel into containers. Then wash area thoroughly with water and detergent. Ventilate adequately with good fresh air movement at floor level. Do not restart pilot lights or operate electrical devices or other sources of sparks, flames or heat until all vapors (odors) are gone.

Environmental Precautions:

Do not release into sewers or waterways.

Methods/Materials for Containment and Cleaning Up:

Eliminate all ignition sources. Runoff may create fire or explosion hazard in sewer system. Absorb on fire retardant, liquid-absorbing material. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

7. Handling and Storage

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Handling:

Do not breathe material. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor and liquid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers should be grounded and/or bonded when material is transferred.

Storage:

Keep away from heat. Keep away from sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: See Section 3

Engineering Controls:

The vapors are heavier than air and due care must be exercised to prevent them from collecting in low, unventilated areas. Vapors may travel along the floor (even under and around closed doors). Adequate ventilation must be provided with good fresh air movement at floor level by normal cross ventilation or preferably good explosion proof exhaust fans. Limit concentration of any solvent in air to exposure guidelines.

Personal Protective Equipment:

Respiratory Protection:

For known vapor concentrations above the occupational exposure guidelines, use NIOSH approved organic vapor respirator.

Skin Protection:

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection:

Chemical goggles or safety glasses with side shield.

9. Physical and Chemical Properties

Boiling Point: 180.5F

Melting Point: NO DATA

Freezing Point: NO DATA

Vapor Pressure: 6.052 kPa@25C

Vapor Density: 2.1(Air=1)

Solubility in Water: SOLUBLE

Evaporation Rate: 7.7(Ethyl Ether)

Flash Point: 54F

Lower explosive limit: 2.5%

Method: ASTM D 56, tag closed cup

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Upper explosive limit: 12%
Autoignition Temperature: 750F
Specific Gravity: .785
pH(1% in H2O): NO DATA
Odor: Alcoholic
Appearance:: Colorless liquid

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid): Stable

Incompatibility:

Acids, aldehydes, alkalis, amines, ethylene oxide, halogenated hydrocarbons, halogens, isocyanates, Strong oxidizing agents, Do not use with aluminum equipment at temperatures above 120F.

Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute:

Inhalation: LC 50 Rat: 16000 ppm; 4h

Subchronic:

NO DATA

Chronic/Carcinogenicity:

Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

Routes of Exposure:

Inhalation, skin contact, eye contact.

12. Ecological Information

Environmental Fate: NO DATA

13. Disposal Considerations

Waste Disposal Method:

Must be disposed of in accordance with local, state and federal regulations.

14. Transport Information

Land Transport (DOT):

UN1219/ISOPROPANOL/3/PGII- Flammable

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15. Regulatory Information

U.S. Federal Regulations:

TSCA: The intentional ingredients of this product are listed.

OSHA: The intentional regulated ingredients of this product are listed.

CERCLA: SARA Hazard Category: Immediate/Fire

Section 313: Not Listed

Reportable Quantity: None of the chemicals in this material have an RQ

State Regulations:

New Jersey and Pennsylvania RTK Label Information: Isopropyl Alcohol, 67-63-0

Volatile Organic Compounds: 100% by wt.;781 g/l;6.52 lbs/gallon

16. Other Information:

NFPA Ratings: 1,3,0

Manufacturer Disclaimer:

Judgement of potential hazards of this product is based on information available about individual components listed under section 3 - Ingredients. Direct testing of mixture has not been done. Flash point has been tested. Information given herein is believed to be accurate and is given in good faith. However, no warranty either expressed or implied is made. It is strongly suggested that users confirm in advance of need that the information is current and applicable to their situations.