

# SAFETY DATA SHEET

Formulations, Inc – Skokie IL – 800-368-5426


## 1. Chemical Product and Company Identification

Product Name Rubbing Alcohol	CAS Number: Mixture-5	Emergency Contact #: 847-674-9141	Date of Issue: 5/1/2016	Last Revision: 5/1/2016
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## 2. Hazards Identification

<u>OSHA Classification</u>	<u>Hazard Category</u>	<u>Hazard Statement</u>
Eye Damage/Irritation	2A	Causes serious eye irritation
Specific Target Organ Toxicity (Single exposure)	3	May cause drowsiness or dizziness
Flammable Liquids	2	Highly flammable liquid and vapor

Signal word: DANGER



H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.  
Warning! Causes eye irritation

Precautionary Statement Prevention

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
P235 Keep cool.  
P240 Ground / bond container and receiving equipment.  
P241 Use explosion-proof electrical / ventilating / light / equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P337+313 If eye irritation persists: Get medical advice / attention.  
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

### 3 Composition / Information on Components

Isopropyl alcohol, Isopropanol – 70% – CAS 00067-63-01  
Water – 30% - CAS 7732-18-5 Not hazardous

### 4. First Aid Measures

**Eyes:** Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention

**Skin:** Remove contaminated clothing and shoes and launder before re-use. Flush skin with plenty of water. Seek medical attention if irritation develops.

**Ingestion:** Rinse mouth. Give victim large amounts of water and induce vomiting. Never give anything orally to an unconscious or convulsing person. Seek immediate medical attention.

**Inhalation:** Remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped give artificial respiration. Keep person warm and dry and get medical attention..

### 5. Fire Fighting Measures

Extinguishing Media:  
CO<sub>2</sub>, dry chemical or alcohol foam

Special Procedures:  
Vapors may flow along surfaces to distant ignition sources and flash back. Vapors may form explosive mixtures with air.

Special hazards arising from substance: Not dangerous reactions known.

### 6. Accidental Release Measures

**Spill:** Remove all potential ignition sources. Prevent spread of spill. Wear full protective equipment including suitable respiratory protection. Absorb with sand or inert material. Place into suitable container for disposal. Flush spill area with water

### 7. Handling and Storage

Incompatible with strong oxidizers. Aldehydes, halogen compounds, reactive metals

Store locked up in a cool, dry, well-ventilated flammable liquids storage area or cabinet away from incompatible materials. Keep away from heat and ignition sources. Keep containers tightly closed and protect them from physical damage. Bond and ground containers when transferring liquid. Use only non-sparking tools and take precautionary measures against static discharge. No smoking.

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Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Keep container tightly closed.

Avoid breathing fume, gas, mist, vapor, spray.

## 8. Exposure Controls / Personal Protection

OSHA & ACGIH Exposure Limits:

Isopropyl alcohol: OSHA TWA 400 PPM; 980mg/m<sup>3</sup> ACGIH TWA 200 ppm 491mg/m<sup>3</sup> ACGIH STEL: 400 ppm; 984 mg/m<sup>3</sup>

Water: None identified

:Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.

Respiratory Protection: Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved full facepiece chemical cartridge respirator with an organic vapor cartridge.

Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers.

Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices

## 9. Physical and Chemical Properties

Boiling Point: 83C	Vapor Pressure: 32.4 mm hg @ 20C	Vapor Density: 2.1	Solubility in Water: Miscible
Specific Gravity: .88	Melting Point, F: 572F	Evaporation Rate: No data available	Auto ignition temperature:399C
Appearance: Clear colorless liquid	Odor: Medicinal alcoholic odor		

## 10. Stability and Reactivity

Stability: Stable	Incompatible with strong oxidizers. Aldehydes, halogen compounds, reactive metals	Hazardous Polymerization: N/A
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## 11. Toxicological Information

Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract. May cause drowsiness and dizziness. Inhalation of high concentrations may cause central nervous system effects, nausea, headache, dizziness, unconsciousness and coma. May cause narcotic effects. Very high concentrations may lead to pulmonary edema and unconsciousness.

Skin Contact: May cause skin irritation. Prolonged contact may cause dermatitis.  
 Eye Contact: May irritate or burn the eyes.  
 Ingestion: May be harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting, stomach cramps, diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, nausea. Advanced stages may cause collapse, unconsciousness, coma, death.  
 Additional Effects: May aggravate pre-existing skin disorders, eye disorders, respiratory system disease  
 Chronic Effects: Defatting of the skin; liver and kidney damage; irritation of mucous membranes, skin, respiratory system.  
 Target Organs:  
 Eyes, skin, respiratory system, central nervous system.  
 Reproductive Effects: No information available  
 Carcinogenicity:  
 Effects of Over Exposure:  
 Toxicity Data:  
 Isopropyl alcohol  
 16000 ppm/8H - LC50 (inhalation, rat)  
 5000 mg/kg LD50 (oral, rat)  
 12800 mg/kg LD50 (skin, rabbit)  
 Water  
 No information available  
 Carcinogenicity: Isopropyl alcohol is listed by the IARC as Group 3, Unclassifiable.

### 12. Ecological Information

Ecotoxicological Completely biodegradable	Bioaccumulation: Not Established	Other Information: Aquatic toxicity Isopropyl alcohol: LC 50 Pimephales probelas: 9640 mg/l
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### 13. Disposal Consideration

Waste Disposal: Dispose of in accordance with all federal, state and local regulations.  
 Ecology – Waste materials: Avoid release to the environment.

### 14. Transport Information

This product is a regulated material for domestic ground transportation per CFR Title 49.  
 For bulk shipping:  
 UN number: UN1219  
 UN proper shipping name: Isopropanl  
 Packing group II  
 Hazard class: 3  
 Additional information  
 In the packing provided this material ships as Consumer Commodity ORM-D

### 15. Regulatory Information

US Federal Regulations

Isopropyl alcohol is listed in the TSCA inventory and in SARA 313

### 16. Other Information

None	
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Disclaimer:

All statements, information and data included herein are believed to be accurate and reliable but are presented without any guarantee. Users should make their own investigations to determine the suitability of this product to their own needs.