



BUILDING VISION AND VARIETY

Date: 3/1/2019

Product Code

SAFETY DATA SHEET

1. Identification

Product Name: Isopropyl Alcohol 99%
Product Code:
SDS Date: 3/1/2019
Use: Industrial

Address: BVV
1251 Frontenac Rd. Ste 150
Naperville IL 60563
Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

2. Hazard(s) Identification

GHS Classification

Flammable Liquid, (Category 3)
Eye irritation, (Category 2A)
Specific target organ toxicity (Category 3)

Pictogram



Signal Word Warning

Hazard Statement

Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary

Keep away from open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/ bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash hands thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

Hazards Not Otherwise Classified:

Not Available

3. Composition/Information On Ingredients

Name	Cas	Concentration
Isopropyl Alcohol	67-63-0	>99.8

4. First-aid Measures

General Advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important Symptoms and Effects, Both Acute and Delayed:	The most important known symptoms and effects are described in the labelling
Indications of Any Immediate Medical Attention and Special Treatment Needed:	No Data Available

5. Fire-fighting Measures

Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards:	Carbon oxides
Advice for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information:	Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and Materials for Containment and Clean Up:	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. Handling and Storage

Safe Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Safe Storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls/Personal Protection

Name	CAS		
Isopropyl Alcohol	67-63-0		
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
400 ppm	Not Available	200 ppm	400 ppm

Engineering Control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection:

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance:	Isopropyl Alcohol	Liquid
Odor:	Isopropyl Alcohol	No Data Available
Odor Threshold:	Isopropyl Alcohol	No Data Available
pH:	Isopropyl Alcohol	No Data Available
Melting/Freezing Point:	Isopropyl Alcohol	No Data Available
Initial Boiling Point/Range:	Isopropyl Alcohol	80.9 - 83.2 °C (177.6 - 181.8 °F)
Flash Point:	Isopropyl Alcohol	22.2 °C (72.0 °F) - closed cup
Evaporation Rate:	Isopropyl Alcohol	No Data Available

Flammability:	Isopropyl Alcohol	No Data Available
Upper Explosion Limit:	Isopropyl Alcohol	No Data Available
Lower Explosion Limit:	Isopropyl Alcohol	No Data Available
Vapor Pressure:	Isopropyl Alcohol	No Data Available
Vapor Density:	Isopropyl Alcohol	No Data Available
Relative Density:	Isopropyl Alcohol	0.858 g/cm ³
Water Solubility:	Isopropyl Alcohol	No Data Available
Partition Coefficient:	Isopropyl Alcohol	No Data Available
Auto Ignition Temp:	Isopropyl Alcohol	No Data Available
Decomposition Temp:	Isopropyl Alcohol	No Data Available
Viscosity:	Isopropyl Alcohol	No Data Available

10. Stability and Reactivity

Reactivity:	No Data Available
Chemical Stability:	No Data Available
Possibility of Hazardous Reactions:	Vapors may form explosive mixture with air.
Conditions to Avoid:	Heat, flames and sparks.
Incompatible Materials:	Aluminium, Acids, Oxidizing agents, Halogenated compounds, Acid anhydrides
Hazardous Decomposition Products:	No Data Available

11. Toxicological Information

Name:	CAS:
Isopropyl Alcohol	67-63-0
LD50 Oral - Rat - 5,045 mg/kg	
LC50 Inhalation - Rat - 8 h - 16000 ppm	
LD50 Dermal - Rabbit - 12,800 mg/kg	
Skin Corrosion/Irritation:	Result: Mild skin irritation
Serious Eye Damage/Eye Irritation:	Result: Eye irritation - 24 h
Respiratory or Skin Sensitization:	No Data Available
Germ Cell Mutagenicity:	No Data Available
Carcinogenicity:	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-
Reproductive:	No Data Available
Additional Information:	Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects., Aspiration may lead to:, Lung oedema, Pneumonia

12. Ecological Information

Name	CAS	Toxicity
Isopropyl Alcohol	67-63-0	LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 - Algae - > 1,000.00 mg/l - 24 h

13. Disposal Considerations

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

14. Transportation Information

Proper Shipping Name:	Isopropanol
Hazard Class	3
Identification Number:	UN1219
Packing Group:	II
Label	Flammable
Ship:	UN1219 ISOPROPANOL CLASS 3 PG II

15. Regulatory Information

Name	CAS
Isopropyl Alcohol	67-63-0
SARA 302/304	No components Were Identified
SARA 313	No components Were Identified
CERCLA	No components Were Identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components Were Identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

16. Other Information, Including Date of Preparation or Last Revision

SDS Date: 3/1/2019

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