



April 11, 2016

Page: 1

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Name: Isopropyl Alcohol 99%

Product Code: 03420

SDS Date: April 11, 2016

Soft Jamb Company
6298 Mt. Pinos Ct,
Alta Loma, CA 91701

General Information: 314-644-1300

CHEMTREC: 800-424-9300

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

GHS Classification:

Flammable liquids, Category 2

Eye irritation, Category 2A

Specific organ toxicity – single exposure (Category 3)

GHS Labeling



Symbol:

Signal Word: Danger

Hazard Statements:

Highly flammable liquid and vapor

Causes serious eye irritation

May cause drowsiness or dizziness

Precautionary Statements:

Prevention:

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

Keep container tightly closed

Avoid breathing mist/vapor/spray.

Wash hand thoroughly after handling.

Wear eye protection/face protection.

Use only outdoors or in a well-ventilated area.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water/shower.

In case of fire: consider water spray, alcohol resistant foam, dry chemical or carbon dioxide.
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.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.

Storage:

Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects: See Section 11 for more information

This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Isopropyl Alcohol CAS #67-63-0	70	400 ppm	Not Avail	400 ppm	Not Avail

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, rinse mouth. DO NOT induce vomiting. Consult a physician.

Skin: Wash off for 20 minutes. Consult a physician if irritation persists.

Eyes: Immediately flush eyes with water for at least 20 minutes while holding eyelids open. Remove contact lenses. Get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point: 65°F
Lower Explosion Limit: (Isopropyl Alcohol): 2.0
Upper Explosion Limit: (Isopropyl Alcohol): 12.7
Auto Ignition Temp: (Isopropyl Alcohol) Not Available
Flammability Classification: Class IB Flammable Liquid

Suitable Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide.

Products of Combustion: Carbon oxides.

Fire Fighting Equipment/Instructions:

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for fire-fighting if necessary.

HAZARD	HMIS	NFPA
Toxicity	2	2
Fire	3	3
Reactivity	0	0

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: For large spills wear gloves, Tyvek suits, safety glasses, and appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Special Properties: Flammable Liquid! This material releases vapors at or below ambient temperatures. When mixed with air in certain proportions and exposed to an ignition source, its vapor can cause a flash fire. Use only with adequate ventilation. Vapors are heavier than air and may travel long distances along the ground to an ignition source and flash back. A vapor and air mixture can create an explosion hazard in confined spaces such as sewers. If container is not properly cooled, it can rupture in the heat of a fire.

Environmental Precautions: Prevent discharge to open bodies of water, municipal sewers, and watercourses.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth. Control runoff and isolate discharged material for proper disposal. Approach release from upwind.

Methods for Clean-up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from heat, sparks and flame. Use only with adequate ventilation.

To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Storage:

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep away from oxidizers.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protective Equipment (PPE)

Respiratory Protection: Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Eye/Face Protection: Splash proof chemical goggles and face shield.

Hand Protection: Nitrile rubber gloves

Body: Avoid skin contact.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State	Clear liquid
Color	Colorless
Odor	Not Available
pH	Not Available
Vapor Density	Not Available
Boiling Point (Isopropyl Alcohol)	82°C
Vapor Pressure (Isopropyl Alcohol)	43.2 hPa at 20°C
Melting Point (Isopropyl Alcohol)	-89.5°C
Freezing Point	Not Available
Flash Point (See Section 5)	
Flammability Properties (See section 5)	
Solubility (water)	Soluble
Density (Isopropyl Alcohol)	0.785 g/cm ³ at 25°C
Evaporation Rate (Isopropyl Alcohol)	3.0
Octanol/Water partition coefficient (Kow) (Isopropyl Alcohol) log Pow:	0.05
Auto-ignition temperature: (See section 5)	
Decomposition temperature:	Not Available

Section 10: STABILITY AND REACTIVITY

Stability: This material is considered stable at ambient temperatures 70°C (21°C).

Condition to Avoid: Flames, sparks, electrostatic discharge, heat and other ignition sources.

Incompatible Materials: Oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids

Hazardous Decomposition: Upon decomposition, this product evolves carbon oxides

Hazardous Reactions: This product will not undergo polymerization.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Component Analysis LD50

Isopropyl Alcohol (67-63-0)
Inhalation LC50 Rat: 72.6 mg/L/4H
Oral LD50 Rat: 4396 mg/kg
Dermal LD50 Rat: 12800 mg/kg
Dermal LD50 Rabbit: 12870 mg/kg

CHRONIC EFFECTS:

Component

Isopropyl Alcohol (67-63-0)
Carcinogenicity: No known hazards
Mutagenicity: Not available.
Reproductive: Not available.
Developmental: Not available.

Target Organs: skin, eyes, CNS, and respiratory system. **Eye:** Contact with eyes may cause redness and pain. **Skin:** Contact with skin may cause dry skin. **Inhalation:** Inhalation of this material may cause: cough,

dizziness, drowsiness, headache, sore throat, abdominal pain, labored breathing, nausea, vomiting, and unconsciousness. **Ingestion:** Ingestion of this material may cause: cough, dizziness, drowsiness, headache, sore throat, abdominal pain, labored breathing, nausea, vomiting, and unconsciousness.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Isopropyl Alcohol (67-63-0)\

96 Hr EC50 Scenedesmus Subspicatus: >1000 mg/L

72 Hr EC50 Scenedesmus subspicatus:>1000 mg/L

96 Hr LC50 Pimephales promelas: 9640 mg/L [flow through]

96 Hr LC50 Pimephales promelas: 94900 mg/L [flow through] (29 days old)

96 Hr LC50 Pimephales promelas: 61200 mg/L [flow through] (31 days old)

5 min EC50 Photobacterium phosphoreum: 35390 mg/L

48 Hr EC50 Daphnia magna: 13299 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Section 14: TRANSPORT INFORMATION

Proper Shipping Name: Isopropanol or Isopropyl alcohol

Hazard Class: 3

Identification No.: UN1219

Packing Group: II

Label: Flammable

Section 15: REGULATORY INFORMATION

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

SARA 302/304 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. None listed

SARA 313: None listed

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: None listed

SARA 311/312 Hazard The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard, Fire Hazard

Section 16: OTHER SUPPLEMENTAL INFORMATION

Prepared by: Soft Jamb on 4/11/16

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

Soft Jamb, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Soft Jamb be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. User assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE BY SOFT JAMB HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.