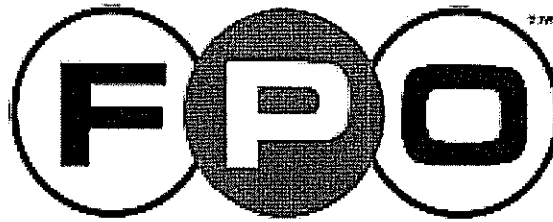


Alcohol 99%



FOR THOSE WHO KNOW

HAZARD RATING
4=Extreme
3=High
2=Moderate
1=Slight
0=Insignificant
Reactivity: 1
Health: 2
Flammability: 3
Special

# MATERIAL SAFETY DATA SHEET (MSDS)

## 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: For Professional Use Only 99% Alcohol

Manufacturer: FPO

Manufacturer Address: 23202 Haggerty Road, Farmington Hills, MI 48335

Emergency Phone: (800) 535-5053

General Phone: (888) 544-8214

## 2. INGREDIENTS/COMPOSITIONAL INFORMATION

Ingredient Name	CAS Number	Concentration	Exposure Limits Health Hazards
Isopropyl Alcohol	67-63-0	99.7%	400ppm, OSHA, TLVI/TWA 500ppm, TLV/STEL

## 3. FIRE AND EXPLOSION HAZARD INFORMATION

Extinguishing Media: Use water fog, "Alcohol" Foam, Dry Chemical or CO2.

Basic Fire Fighting Procedures: Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. Use NIOSH approved positive pressure self contained breathing apparatus.

Flash Point: 53 degrees F

Flammability Limits in Air, Lower, % by Volume: 2.0

Flammability Limits in Air, Upper, % by Volume: 12.0

#### 4. HEALTH HAZARD INFORMATION

Potential Health Effects on Skin: Mildly irritating to the skin.

Potential Health Effects on Eye: Moderately irritating to the eyes.

Potential Health Effects on Inhalation: May cause mild irritation to the nose, throat, and respiratory tract and may result in central nervous system depression (CNS).

Potential Health Effects on Ingestion: Irritating to the gastrointestinal tract. Causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, low blood pressure, and rapid heart beat and liver damage.

Signs and Symptoms: Irritation as noted above: Early to moderate CNS (Central Nervous System) depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness. Respiratory depression and death may occur. Liver damage may be evidenced by loss of appetite, jaundice (yellowish skin and color), and sometimes pain in the upper abdomen on the right side.

Aggravated Medical Conditions: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

#### 5. HEALTH HAZARD DATA/FIRST AID INFORMATION

Skin: Flush skin with water. If irritation occurs, get medical attention.

Eyes: Immediately flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30 cc (2 tablespoons) syrup of Ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

**Note to Physician:**

**If victim is a child, give no more than 1 glass of water and 15 cc (1 tablespoon) of Syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.**

## 6. REACTIVITY INFORMATION

Stability/Incompatibility: Stable

Hazardous Reactions: Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 degrees.

Decomposition Products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will not occur

## 7. ENVIRONMENTAL IMPACT/SPILL OR LEAK PROCEDURES

Spill or Leak Procedure: Warning: Flammable – eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. \*\*\*Large Spills\*\*\* Evacuate the hazard area of unprotected personnel. Wear appropriate respirators and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. \*\*\*Small Spills\*\*\* Take up with absorbent material and place in non-leaking containers; seal tightly for proper disposal.

Waste Disposal Method: Recycle/dispose of observing national, regional, state, provincial and local health, safety and pollution laws.

## 8. SPECIAL PROTECTION INFORMATION

Eye Protection: Chemical goggles.

Skin Protection: Chemical resistant gloves or other clothing as required to minimize contact..

Respiratory Protection: Use NIOSH-approved respirator to prevent overexposure.

## 9. SPECIAL PRECAUTIONS/STORAGE AND HANDLING EQUIPMENT

Storage & Handling: WARNING! FLAMMABLE! Keep away from heat, sparks and flame. Avoid contact with eyes. Keep container closed. Use with adequate ventilation. Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from product handling point.

## 10. PHYSICAL PROPERTIES

Boiling Point: 13<sup>0</sup>C (56<sup>0</sup>F)

Appearance: Colorless, mobile liquid

Odor: Mild

## 11. MISCELLANEOUS INFORMATION

Disclaimer:

The data contained herein is based upon information that FPO believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or results to be obtained from the use thereof.