

Humco Holding Group, Inc.  
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Texarkana, TX 75501  
903-831-7808

Item #0395-1250

**70% WINTERGREEN ALCOHOL**

**DATE ISSUED: 09/14/99**

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**SECTION I HAZARDOUS PRODUCT/INGREDIENT PER 20 CFR 1910.1200**  
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<b>NO.</b>	<b>COMPOSITION</b>	<b>CAS NUMBER</b>	<b>PERCENT</b>
P	70% Wintergreen Alcohol	Mixture	100%
1	Isopropyl Alcohol	67-63-0	70%
2	Methyl Salicylate	119-36-8	0.4%

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**SECTION II ACUTE TOXICITY DATA**  
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<b>NO.</b>	<b>ACUTE ORAL LD50</b>	<b>ACUTE DERMAL LD50</b>	<b>ACUTE INHAL. LC50</b>
1	5840 mg/kg (rats)	13000 mg/kg (rabbit)	12000 ppm (rat) 8 Hours
2	887 mg/kg (rats) 2.8 g/kg (rabbits)		

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**SECTION III PHYSICAL DATA**  
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**Boiling Point:** (Deg F) 170°F

**Melting Point:** (Deg F) -127°F for 70% Isopropyl Alcohol

**Specific Gravity:** (H2O=1) 0.878

**Solubility:** (In water) complete

**Vapor Pressure:** (MM HQ) 29 at 20°C

**Vapor Density:** (Air=1) 1.6 for Isopropyl Alcohol

**Evaporation Rate (N-Butyl Acetate=1):** 1.7 for Isopropyl Alcohol

**Appearance and Odor:** Clear, green liquid with Methyl Salicylate and alcohol odor.

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**SECTION III A DEGREE OF HAZARD**  
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Degree of Hazard		
4 - Extreme	Flammability	3
3 - High	Health	1
2 - Moderate	Reactivity	0
1 - Slight	Special Hazard	0
0 - Insignificant		

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**SECTION IV FIRE AND EXPLOSION HAZARDS**

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**Flash Point and Method:** 68°F Tag Open Cup

**Extinguishing Media:** Alcohol foam, CO<sub>2</sub>, dry chemical, water spray.

**Special Firefighting Procedures and Precautions: Warning - Flammable.** Clear fire area of unprotected personnel. **Do not** enter confined space without full bunker gear (helmet with full face shield, bunker coat, gloves, and rubber boots) including a positive pressure, NIOSH approved self contained breathing apparatus. Cool fire exposed containers with water.

**Unusual Fire and Explosion Hazards:** Containers exposed to intense heat should be cooled with water to prevent vapor pressure build up which could result in a rupture. Container area exposed to direct flame contact should be cooled with large amounts of water, as needed to prevent weakening of container structure.

**Flammable Limits/% Volume in Air:**

**Lower:** 2.0                      **Upper:** 12.0 for 70% Isopropyl Alcohol

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**SECTION V HEALTH HAZARD INFORMATION**

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OSHA PEL/TWA        400ppm

OSHA PEL/CEILING 400ppm

ACGIN TLV/TWA     800ppm

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

**Skin Contact:** May cause mild skin irritation.

**Skin Absorption:** May cause mild skin irritation.

**Eye Contact:** Moderately irritating to the eyes.

**Ingestion:** Generally considered to have a low order of acute oral toxicity.

**Acute:** Acute local irritation is slight, while the acute systemic ingestion and inhalation exposure is considered to be moderate.

**Chronic:** Chronic systemic ingestion exposure is considered to be slight while the inhalation exposure is considered to be moderate.

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**SECTION VI EMERGENCY AND FIRST AID PROCEDURES**

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**Eyes:** Immediately flush with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention.

**Skin:** Wash thoroughly with water. If irritation occurs, get medical attention.

**Inhalation:** Remove victim to fresh air & provide oxygen if breathing is difficult. Obtain medical attention.

**Ingestion: Do not** induce vomiting if victim is unconscious or drowsy. Otherwise, if within the **first 15 minutes** give no more than 2 glasses of water, & 30cc Ipecac Syrup to induce vomiting. Obtain medical attention immediately or call poison control center.

**Note to Physician:** If victim is a child, give no more than 1 glass of water & 15cc (1 tsp) Ipecac Syrup. 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.

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**SECTION VII REACTIVITY**

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**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions and Materials to Avoid:** Avoid heat, sparks, flame & contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120°F.

**Hazardous Decomposition Products:** CO<sub>2</sub> & unidentified organic compounds may be formed during combustion.

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**SECTION VIII EMPLOYEE PROTECTION**

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**Control Measures:** Use explosion-proof ventilation as required to control vapor concentrations. Eye wash fountains and safety showers should be available for emergency use.

**Respiratory Protection:** If exposure may or does exceed occupational exposure limits (Sec. V), use a NIOSH-approved respirator to prevent overexposure. In accordance with 29CFR1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**Protective Clothing:** Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves & other clothing as required to minimize contact. Test data from published literature and/or glove & clothing manufacturers indicate the best protection is provided by nitrile, neoprene & natural rubber gloves.

**Eye Protection:** Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.

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**SECTION IX ENVIRONMENTAL PROTECTION**

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**Spill or Leak Procedures:** **Warning** - Flammable. Eliminate all ignition sources. Equipment must be grounded to prevent sparking. **Large spills** - evacuate the area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak, if safe to do so. Dike and contain. **Small spills** - take up with absorbent material and place in non-leaking containers. Seal tightly for disposal.

**Waste Disposal:** Under E.P.A.-R.A.C.A. (40CFR261.21), if this product becomes a waste material, it would be ignitable hazardous waste, hazardous waste number D001. Refer to latest E.P.A. or state regulations regarding proper disposal.

**Environmental Hazards:** Under E.P.A. comprehensive environmental response, compensation and liability act, under E.P.A.-CERCLA (Superfund) releases to air, land, or water may be reportable to the National Response Center, 1-800-424-8802, (circumstances surrounding the release and cleanup determine reportability).

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**SECTION X SPECIAL PROTECTION INFORMATION**

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**Ventilation Requirements:** Use explosion-proof ventilation as required to control vapor concentrations.

**Other Clothing and Equipment:** Eye wash fountains and safety showers should be available for emergency use.

**Eye:** Refer to Section VIII.

**Respiratory:** Refer to Section VIII.

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**SECTION XI TRANSPORTATION DATA**

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**HAZARDOUS CHARACTERISTICS:** Flammable Liquid

**D.O.T. Classifications:** Flammable Liquid N.O.S. Contains Isopropanol UN 1993