

Material Safety Data Sheet

Name : ISOPROPYL RUBBING ALCOHOL 50 %

Date Issued : 08-01-2013

US MANUFACTURER:

Awesome Products Inc.

Phone 1-800-482-2875

6370 Altura Blvd., Buena Park, CA 90620

Emergency Phone : 714-562-8873

Hazard Rating	HMIS	Hazard	NFPA
4 - Very High	1	Health	1
3 - High	3	Flammability	3
2 - Moderate	0	Reactivity	0
1 - Slight		Special	0
0 - Insignificant			

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME

ISOPROPYL RUBBING ALCOHOL 50 %.

SECTION 2 - INGREDIENT INFORMATION

WEIGHT %	INGREDIENT & EXPOSURE LIMIT
50	ISOPROPYL ALCOHOL (CAS# 67-63-0)
50	WATER (CAS # 7732-18-5)

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also see Section 11)

Prolonged exposure to elevated concentrations of vapors may result in irritation to the eyes, nose, throat.

ROUTE(S) OF ENTRY

Ingestion, inhalation, dermal contact, eye contact

TARGET ORGANS

Eyes, skin, respiratory system.

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SYMPTOMS OF OVEREXPOSURE:

Inhalation:	May Cause mild irritation of eyes, nose and throat and respiratory tract and may result in central nervous system (CNS) depression.
Ingestion:	Generally considered to have a low order of acute oral toxicity.
Dermal Contact:	May cause mild skin irritation.
Skin Absorption:	May cause mild skin irritation.
Eye Contact:	Moderately irritating to the eyes.
Acute:	Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, Dizziness and nausea.
Chronic:	Pre-existing eye, skin and respiratory disorders may be Aggravated by exposure to IPA.
Carcinogen:	50% odor recognition threshold is 7.5 ppm.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT

Flush immediately with plenty of water for at least 15 to 20 minutes while holding eyelids open. If irritation persists, get medical attention.

SKIN CONTACT

Rinse with plenty of water. If irritation persists, get medical attention.

INHALATION

Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention if breathing continues to be difficult.

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, and 30cc Syrup of Ipecac to induce vomiting. Seek medical attention immediately or contact a Poison Control Center.

Note to Physician: If victim is a child give no more than 1 glass of water and 15cc (1 tbsp) Syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or

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unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

SECTION - 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT

74.5 deg. F. Tag Open Cup

FLAMMABLE LIMITS / % VOLUME IN AIR

Lower: 2.0 Upper: 12.0

AUTOIGNITION TEMPERATURE

Not applicable.

EXTINGUISHING MEDIA

Alcohol foam, CO₂, Dry chemical, Water Fog.

SPECIAL FIREFIGHTING PROCEDURES

Warning - Flammable

Clear area of unprotected personnel. Wear complete turnout gear. **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.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Container exposed to intense heat from fires should be cooled with large amounts of water to prevent buildup of internal pressure due to vapor generation which could result in container rupture. Cool containers exposed to fire with water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

large spills:	Eliminate all ignition sources. Equipment must be grounded to prevent sparking. Contain source of spill. Dike or otherwise confine spilled product. Uncontrolled releases to air, land or water may be reportable to National Response Center(800-424-8802)
Small Spills:	Wash with water.

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SECTION 7 - HANDLING AND STORAGE

Storage Requirements: Store in tightly closed containers in a cool, dry area away from heat and other possible ignition sources.

Handling Precautions: Use non-sparking tools to open containers. Maintain appropriate class of fire extinguishers nearby in case of fire.

SECTION 8 - SPECIAL PROTECTION INFORMATION

OSHA PEL = 1000ppm OSHA STEL = N/A IDLH = 3,300 ppm

PROTECTIVE EQUIPMENT

Goggles and Gloves

VENTILATION

Use explosion-proof ventilation equipment as necessary to maintain airborne concentrations below the PEL. Ground all containers to prevent static sparks during fluid transfer.

OTHER PROTECTIVE MEASURES

Clean protective equipment and work clothing contaminated with Ethyl Rubbing Alcohol prior to reuse. After working with this product, be sure to wash before eating, smoking, drinking or applying cosmetic,

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR

Clear

PRODUCT STATE

Liquid

ODOR

Mild odor

ODOR THRESHOLD

Not available.

SOLUBILITY IN WATER

Complete

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SPECIFIC GRAVITY (H₂O = 1)

0.929

VAPOR DENSITY (AIR = 1)

1.6

VAPOR PRESSURE (mm HG)

29 at 20 deg. C

BOILING POINT

81 °C

FREEZING POINT

N/A

SECTION 10 - STABILITY AND REACTIVITY

STABILITY

Stable

CONDITIONS TO AVOID

Heat, sparks and open flame.

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS PRODUCTS OF DECOMPOSITION

CO and unidentified organic compounds may be formed.

SECTION 11 - TOXICOLOGY INFORMATION (Also see Section 3)

LD50 (ACUTE ORAL TOX)

5840 mg/kg (rats)

LD50 (ACUTE DERMAL TOX)

13000 mg/kg (rabbit)

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LC50 (ACUTE INHALATION TOX)

12000 ppm (rat)
8 Hours

EFFECTS OF CHRONIC EXPOSURE

None known.

CARCINOGENICITY

None known as a carcinogen by OSHA, IARC, or NTP

REPRODUCTIVE TOXICITY

None known.

MUTAGENICITY

None known.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

N/A

ENVIRONMENTAL FATE

N/A

SOIL ABSORPTION/MOBILITY

Highly Mobile

ENVIRONMENTAL DEGRADATION

Should be removed readily from soils and water by volatilization and biodegradation.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL

Contact your supplier or a licensed contractor for detailed recommendations.

DISPOSAL REGULATORY REQUIREMENTS

Follow applicable Federal, state and local regulations. If this material becomes a waste material, it would be considered an ignitable Hazardous Waste, Number D001)

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SECTION 14 - TRANSPORTATION INFORMATION

US SHIPPING NAME

Consumer Commodity ORM-D

HAZARDOUS CHARACTERISTICS

Flammable Liquid

D.O.T. CLASSIFICATION

Flammable Liquid N.O.S. Contains Isopropanol UN1993

SECTION 16 - OTHER INFORMATION

ADDITIONAL INFORMATION

Use as directed.

EPA REGISTRATION #

Not applicable.

PREPARATION INFORMATION -
PREPARED BY

Manufacturer's Technical Support Department. Refer to page 1 (Manufacturer) for contact information.

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