

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard.
29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I

MANUFACTURER'S NAME/REPACKAGED BY: Vi-Jon Incorporated/Certified Safety Manufacturing, Inc.	TELEPHONE NO. (816) 483-9090
ADDRESS: 1400 Chestnut Avenue Kansas City, Missouri 64127	
IDENTITY (AS USED ON LABEL): Alcohol (IPA) 70% Pint	DATE PREPARED: 12/22/09
	DATE REVIEWED:

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):				
	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Isopropyl Alcohol (IPA)	CAS# 67-63-0	70%	400 ppm TWA	200ppm TWA OSHA STEL=500ppm
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)				

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	176°F (82.5 °C)	SPECIFIC GRAVITY (H₂O= 1):	25 °C: 0.876-0.881
VAPOR PRESSURE (mm Hg.):	42 hPa at 20 °C (68°F)	MELTING POINT:	-90 °C
SOLUBILITY IN WATER:	Soluble	% volatiles by Vol.:	No Data
PH:	No Data	FREEZING POINT:	N/A
AUTO IGNITION:	399°C		
APPEARANCE AND ODOR:	Colorless, volatile liquid with the odor of rubbing alcohol		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 70.5° F (TAG Open Cup)	FLAMMABLE LIMITS: LEL: 2% UEL: 12% Flammability Classification: Flammable Liquid IB
EXTINGUISHING MEDIA: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, alcohol resistant foam, dry chemical	
SPECIAL FIRE FIGHTING PROCEDURES: Special protective equipment for fire-fighters: Clear area of unprotected personnel. Wear complete turnout gear. Cool containers exposed to fire with water.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers 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.	

SECTION V – REACTIVITY DATA

STABILITY:	STABLE	√	CONDITIONS TO AVOID: Heat, sparks, and open flame Do NOT store in aluminum >120° F
INCOMPATIBILITY (Materials to avoid): Strong oxidizers, acetaldehyde, chlorine, ethylene oxide, acid, isocyanates			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		
	WILL NOT OCCUR	√	
HAZARDOUS PRODUCTS: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.			

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION?: yes SKIN?: yes INGESTION?: yes DERMAL CONTACT?: yes
HEALTH HAZARDS (Acute and Chronic): N/A
CARCINOGENICITY: Not identified as a carcinogen by the NTP Annual Report on Carcinogens, IARC Monographs or by OSHA.
SIGNS AND SYMPTOMS OF OVEREXPOSURE: <u>Inhalation:</u> Mild irritation of eyes, nose and throat.
<u>Ingestion:</u> Drowsiness, headache <u>Dermal contact:</u> Dry, cracking skin <u>Acute Effects:</u> Irritation of skin and/or upper respiratory tract as noted above. Acute CNS depression may be manifested as giddiness, headache, dizziness and/or nausea. <u>Chronic Effects:</u> Chronic exposure can result in skin irritation and contact dermatitis. Pre-existing disorders of the skin, eyes, and respiratory tract may be exacerbated by exposure to isopropyl alcohol.
EMERGENCY AND FIRST AID PROCEDURES: <u>Inhalation:</u> Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention if breathing continues to be difficult. <u>Eye:</u> Flush eyes with copious amount of water for a least 15 minutes. <u>Skin:</u> Flush with water. If irritation persists, seek medical attention.
<u>Ingestion:</u> Do not induce vomiting if victim is unconscious or drowsy. Seek medical attention or contact the poison control center.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Large Spills: Eliminate all ignition sources. Equipment must be grounded to prevent sparking. Evacuate the area of unprotected personnel. Contain source of spill. Dike or otherwise confine spilled product. Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth. Uncontrolled releases to air, land or water may be reportable to the National Response Center (1-800-424-8802.) Small Spills: Take up with absorbent material and placed in non-leaking container; seal tightly. Dispose of absorbent.
DISPOSAL CONSIDERATIONS: Contact your supplier or a licensed contractor for detailed recommendations.
DISPOSAL REGULATORY REQUIREMENTS: Follow applicable Federal, state, and local regulations. Consider fuel blending as an alternative to incineration. ENVIRONMENTAL DEGRADATION: Should be removed readily from soils and water by volatilization and biodegradation.

SECTION VIII – SPECIAL PROTECTION INFORMATION

VENTILATION:	LOCAL EXHAUST: ✓	SPECIAL: None
	MECHANICAL (General): None	OTHER: None
Engineering measures: Use explosion-proof ventilation equipment as necessary to maintain airborne concentrations below the PEL. Ground all containers to prevent static sparks during fluid transfers.		
PROTECTIVE GLOVE: Gloves	EYE PROTECTION: Goggles	
OTHER PROTECTIVE EQUIPMENT: NIOSH approved respiratory protection required when above PEL/TWA.		

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: <u>Handling</u> Use non-sparking tools to open containers. Maintain appropriate class of fire extinguishers nearby in case of fire.
<u>Storage:</u> Store in tightly closed containers in a cool, dry area away from heat and other possible ignition sources.
Recommended Hygiene Practices: Clean PPE and work clothing contaminated prior to reuse. After working with this product, be sure to wash before eating, smoking, drinking or applying cosmetics.

THIS INFORMATION AND RECOMMENDATIONS HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE, HOWEVER CERTIFIED SAFETY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USE THEREOF.....