

MATERIAL SAFETY DATA SHEET

<p>May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.</p>	HMIS HAZARD RATING												
<h2 style="margin: 0;">SAFETEC OF AMERICA</h2>	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">HEALTH</td> <td style="width: 33%;">1</td> <td style="width: 33%;">0 = INSIGNIFICANT</td> <td style="width: 33%;">3 = HIGH</td> </tr> <tr> <td>FLAMMABILITY</td> <td>3</td> <td>1 = SLIGHT</td> <td>4 = EXTREME</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> <td>2 = MODERATE</td> <td></td> </tr> </table>	HEALTH	1	0 = INSIGNIFICANT	3 = HIGH	FLAMMABILITY	3	1 = SLIGHT	4 = EXTREME	REACTIVITY	0	2 = MODERATE	
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TRANSPORTATION INFORMATION													
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">PROPER SHIPPING NAME</td> <td colspan="3">Isopropyl Alcohol</td> </tr> <tr> <td>HAZARD CLASS / PKG. GRP.</td> <td>3 / II</td> <td>REF.</td> <td>173.150(b)(c)</td> </tr> <tr> <td>IDENTIFICATION NUMBER</td> <td>UN1219</td> <td>LABEL</td> <td>None Required Ground</td> </tr> </table>		PROPER SHIPPING NAME	Isopropyl Alcohol			HAZARD CLASS / PKG. GRP.	3 / II	REF.	173.150(b)(c)	IDENTIFICATION NUMBER	UN1219	LABEL	None Required Ground
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SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)	Page 1 of 2
Safetec Isopropyl Alcohol Spray	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NUMBER (24 Hours)
Safetec of America, Inc.	(800) 255-3924
ADDRESS (NUMBER, STREET, P.O. BOX)	TELEPHONE NUMBER FOR INFORMATION
887 Kensington Avenue @ William L. Gaiter Pkwy.	(716) 895-1822
(CITY, STATE AND ZIP CODE)	DATE PREPARED
Buffalo, NY 14215	September 21, 2007
	SUPERSEDES
	September 1, 2004

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	ACGIH TLV/TWA/STEL	
			PPM	MG/M ³
Isopropyl Alcohol	67-63-0	70	400 (TLV/TWA), 500 (TLV/STEL)	983 (TLV/TWA), 1230 (TLV/STEL)

This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR 372 at or above minimal amounts.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES						
INHALATION: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause narcotic effects in high concentration. Causes upper respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.	If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.						
EYES: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury. In the eyes of a rabbit, 0.1 mL of 70% isopropyl alcohol caused conjunctivitis, iritis, and corneal opacity.	Immediately flush eyes with plenty of water for a minimum of 15 minutes while holding eyelids open; get medical attention.						
INGESTION: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. The probable oral lethal dose in humans is 240 mL (2696 mg/Kg), but ingestion of only 20 mL (224 mg/Kg) has caused poisoning.	Potential for aspiration if swallowed. Get medical aid immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.						
SKIN: May cause irritation with pain, especially if skin is abraded. Rare cases of allergic contact dermatitis have been reported. May be absorbed through the skin, although toxicologically insignificant.	Wash contaminated skin with water; remove contaminated clothing; if irritation develops and persists, seek medical aid.						
HEALTH HAZARDS (ACUTE AND CHRONIC): Acute: Irritation of the eyes and skin, hazardous if ingested or inhaled. Chronic: Toxic to kidneys, lungs, central nervous system. Continued exposure may produce target organ damage.							
CARCINOGENICITY	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">NTP?</td> <td style="width: 33%;">No</td> <td style="width: 33%;">IARC MONOGRAPHS?</td> <td style="width: 33%;">No</td> <td style="width: 33%;">OSHA REGULATED?</td> <td style="width: 33%;">No</td> </tr> </table>	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No
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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.							

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Safetec Isopropyl Alcohol Spray

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SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) 53°F(Closed Cup) 65°F(Open Cup)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) Isopropyl Alcohol LEL: 2 UEL: 12
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EXTINGUISHING MEDIAWater spray, dry chemicals, alcohol-type or all-purpose foam, CO₂**SPECIAL FIRE FIGHTING PROCEDURES**

Positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

Concentrated vapors may be explosive. Vapors may travel distances to source of ignition and flash back. CAUTION: may burn with near invisible flame

SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED**

Remove all sources of ignition. Avoid prolonged exposure to vapors. Spills should be collected with approved inert absorbent for disposal. Use suitable disposal containers.

WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container(s) tightly closed when not in use. Avoid inhalation of high concentration of vapors. Store in cool, dry, well ventilated area away from, oxidizers, flame, ignition sources and heat. Keep this and other chemicals out of reach of children.

SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION**RESPIRATORY PROTECTION**

Ordinarily, none required

VENTILATIONLOCAL EXHAUST: Recommended
MECHANICAL (GENERAL): Not required**PROTECTIVE GLOVES**

Ordinarily, none required

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash stations should be nearby and ready for use.

WORK / HYGIENIC PRACTICES

Practice safe work habits. Use according to label instructions.

SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES**BOILING POINT**

82.22°C (180°F)

SPECIFIC GRAVITY (WATER=1)

0.7855

VAPOR PRESSURE (mm Hg @ 20°C)

33

MELTING POINT

- 89.5 °C (- 129.1°F)

VAPOR DENSITY (AIR=1)

2.07

PH (1 % solution in water)

7 [Neutral]

SOLUBILITY IN WATER

Soluble

EVAPORATION RATE (n-butyl acetate=1)

1.7

APPEARANCE AND ODOR

Clear, Colorless Liquid

% VOLATILES (BY VOLUME)

No data

SECTION 8 - STABILITY AND REACTIVITY**STABILITY**

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

Flame, sources of ignition, heat

INCOMPATIBILITIES (MATERIALS TO AVOID)

Oxidizers, acids, alkalis

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may emit carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: XXX

CONDITIONS TO AVOID

Heat, sparks, open flame, and other sources of ignition.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.