

SAFETY DATA SHEET

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

HMIS HAZARD RATING

HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	3	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

SAFETEC OF AMERICA

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) Safetec® Isopropyl Alcohol Spray		Page 1 of 2
MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924	
ADDRESS (NUMBER, STREET, P.O. BOX) 887 Kensington Ave.	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822	
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED SUPERSEDES	April 2, 2014 August 13, 2013

SECTION 2 - HAZARDS IDENTIFICATION

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE
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.
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.
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, lachrymation, and corneal opacity.
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 240mL (2696 mg/kg), but ingestion of only 20 mL (224 mg/kg) has caused poisoning.
HEALTH HAZARDS (ACUTE): Acute: Irritation of the eyes and skin, hazardous if ingested or inhaled.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	OSHA PEL/STEL	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 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES
INHALATION: Move patient to fresh air. Seek immediate medical attention if individual is severely overcome by overexposure to vapors. Overexposure is most likely to occur when dealing with large quantities in an enclosed space with inadequate ventilation.
SKIN: Intended for hand use without causing irritation but if contacts other skin areas that may become irritated rinse with clean water.
EYES: Immediately flush eyes with plenty of water for a minimum of 15 minutes while holding eyelids open; seek medical attention.
INGESTION: Potential for aspiration if swallowed. Get medical attention immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) 53°F (Closed Cup) 55°F (Open Cup)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) Isopropyl Alcohol	LEL: 2	UEL: 12
EXTINGUISHING MEDIA Dry chemical, water spray or alcohol resistant foam.			
SPECIAL FIRE FIGHTING PROCEDURES Positive pressure NIOSH approved self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.			
UNUSUAL FIRE AND EXPLOSIVE HAZARDS Flammable liquid, toxic gases (such as carbon monoxide and formaldehyde) may be released in a fire.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED
 Small spills: Eliminate all ignition sources. Ventilate the area. Clean area by flushing with water. Large spills: Eliminate all ignition sources. Ventilate the area. Absorb onto inert medium and collect in an approved container.

SECTION 7 - HANDLING AND STORAGE

Handling: Keep container(s) tightly closed when not in use. Avoid inhalation of high concentration of vapors. Storage: 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 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION Ordinary, none required	VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): Not required
PROTECTIVE GLOVES Rubber gloves for prolonged and repeated use.	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 9 - 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) 100

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	UNSTABLE:		CONDITIONS TO AVOID
	STABLE:	XXX	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:		CONDITIONS TO AVOID
	WILL NOT OCCUR:	XXX	Heat, sparks, open flame, and other sources of ignition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Component analysis - LC50: N/A
Component analysis - LD50: N/A
Effects of acute exposure: Irritation of the eyes and skin, hazardous if ingested or inhaled.
Sensitization: Non-hazardous by WHMIS/OSHA criteria.
Chronic Effects: Toxic to kidneys, lungs, central nervous system. Continued exposure may produce target organ damage.
Carcinogen/ty: Non-hazardous by WHMIS/OSHA criteria.
Mutagen/ty: Non-hazardous by WHMIS/OSHA criteria.
Reproductive Effects: Non-hazardous by WHMIS/OSHA criteria.
Teratogen/ty: Non-hazardous by WHMIS/OSHA criteria.

SECTION 12 - ECOLOGICAL INFORMATION

Component analysis - LC50: N/A
Component analysis - LD50: N/A
Ecotoxicity: N/A
Environmental Effects: N/A
Aquatic Toxicity: N/A
Persistence / degradability: N/A
Bioaccumulation / accumulation: N/A
Partition coefficient: N/A
Mobility in environmental media: N/A
Chemical fate information: N/A
Other adverse effects: N/A

SECTION 13 - DISPOSAL CONSIDERATIONS

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.	
Waste from residues/unused product: N/A	
Contaminated Packaging: N/A	

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Isopropyl Alcohol		
HAZARD CLASS/PKG. GRP.	3 / II	REF.	173.150 (b) (c)
IDENTIFICATION NUMBER	UN1219	LABEL	None Required Ground

SECTION 15 - REGULATORY INFORMATION

Canadian Federal Regulation: N/A
US Federal Regulation: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical- Yes
CERCLA (Superfund) reportable quantity - N/A
Superfund Amendments and Reauthorization Act of 1986 (SARA) - N/A
Clean Air Act (CAA) - N/A
Clean Water Act (CWA) - N/A
Safe Drinking Water Act (SDWA) - N/A
Drug Enforcement Agency (DEA) - N/A
Food and Drug Administration (FDA) - N/A
WHMIS classification - N/A
State regulations - N/A
Inventory Name - N/A

SECTION 16 - OTHER INFORMATION

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.	
Date Prepared: April 2, 2014	