

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

SAFETEC OF AMERICA

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Ethyl Alcohol Solution		
HAZARD CLASS/PKG. GRP.	3 / II	REF.	173.150 (b) (c)
IDENTIFICATION NUMBER	UN1170	LABEL	None Required Ground

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)	Page 1 of 2
Endo Wipe	
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 March 19, 2010
	SUPERSEDES September 21, 2007

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	OSHA	ACGIH
			PPM	PPM
Ethyl Alcohol	64-17-5	70	1000(8 HRS/TWA)	1000(8 HRS/TWA)
water	7732-18-5	29.9	not available	not available

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.
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 attention.
EYES: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury.	Immediately flush eyes with plenty of water for a minimum of 15 minutes while holding eyelids open; seek medical attention.
INGESTION: Effects of ethanol ingestion depend on the amount and rate of consumption. Short term overexposure can cause drunkenness, depression of the central nervous system, nausea, vomiting, diarrhea, liver damage, and death	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.

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 NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
No additional information

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

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Endo Wipe

Date: March 19, 2010

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

55°F (Closed Cup) 61°F (Open Cup)

FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)

Ethanol Alcohol

LFL 3.3 vol %

UFL 19 vol%

EXTINGUISHING MEDIA

Water 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

Ordinary, none required

VENTILATION

LOCAL EXHAUST: Recommended

MECHANICAL (GENERAL): Not required

PROTECTIVE GLOVES

Ordinary, 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

78.4°C (173.12°F)

SPECIFIC GRAVITY (WATER = 1)

0.7855

VAPOR PRESSURE (mm Hg @ 20°C)

44.6

MELTING POINT

-144°C (-227.2°F)

VAPOR DENSITY (AIR = 1)

1.59

pH (1% solution in water)

N/A

SOLUBILITY IN WATER

Soluble

EVAPORATION RATE (n-butyl acetate = 1)

Rapid

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, strong oxidizers

INCOMPATIBILITIES (MATERIALS TO AVOID)

Oxidizers, acids, alkalies

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.