

WHMIS / OSHA Material Safety Data Sheet

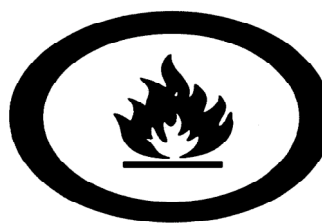
revision 4/1/2004

Section 1.0 - PRODUCT IDENTITY AND COMPANY INFORMATION

Name of Product: **AlcoSCRUB**

WHMIS REGULATED: NO - AlcoSCRUB is listed as a drug.

WHMIS HAZARD CLASS: Class B Division 2 Flammable Liquid



MANUFACTURER NAME AND ADDRESS

ERIE SCIENTIFIC CO
20 POST ROAD
PORTSMOUTH INDUSTRIAL PARK
PORTSMOUTH NH 03801 USA

Emergency Telephone Number
800-424-9300 USA
Telephone Number for Information
1-603-431-8410 USA

Section 2.0 - MSDS PREPARATION INFORMATION

PREPARATION INFORMATION

Prepared by: Erie Scientific Company - Safety Department

Phone #: 1-603-431-8410 USA

Preparation Date: April 1, 2004

Last Revision Date: June 1, 2003

Name & Address of preparer: See Section 1

Section 3.0 - HAZARDOUS INGREDIENTS / IDENTITY

HAZARDOUS INGREDIENTS	OSHA PEL	ACGIH TLV	CAS#	%
Ethyl Alcohol (Ethanol)	1000 ppm	1000 ppm	64-17-5	60%

LC50: 20,000 PPM / 10HRS Inhalation - Rat

LD50 7,060 mg/kg Oral - Rat

Section 4.0 - PHYSICAL DATA

Boiling Point:	176° F / 80° C	Specific Gravity (H2O =1):	0.886
Melting Point:	NA	Evaporation Rate (Butyl Acetate =1):	>1
Vapor Density (AIR = 1):	>1	Solubility in Water:	complete
Vapor Pressure (mm Hg):	40	pH :	NA
Appearance and Odor:	Clear liquid with alcohol odor		

Section 5.0 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): **93° F / 34° C** (Total Closed Cup / EPA SW846 Method 1010)

Flammable Limits: LEL: 3.3% UEL: 19%

Extinguishing Media: CO2 or Dry Chemical / ABC Fire Extinguisher

Auto-ignition Temperature (for 100% ethyl alcohol): 685° F / 363° C

Special Fire Hazards: Approved respirators should be worn. Water spray to cool equipment. If heated, vapor may be flammable. Can react vigorously with oxidizing materials.

Explosion Hazards: None under normal conditions of use. See Section 8.0 for Storage and Handling of AlcoScrub Containers.

Section 6.0 - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to avoid): Oxidizing agents, static electricity
Hazardous Decomposition or Byproducts: CO2 may be formed during combustion.
Conditions to Avoid: Open flames, sparks, oxidizing agents,
Hazardous Polymerization: Will not occur

Section 7.0 - TOXICOLOGICAL PROPERTIES / HEALTH HAZARD DATA

Route(s) of Entry: Ingestion, eyes
Health Hazards (Acute and Chronic): None
Carcinogenicity? NTP? IARC Monographs? OSHA Regulated?
NO NO NO ****Ethyl Alcohol Only****
Signs and Symptoms of Exposure: Mild eye irritation with overexposure
Medical Conditions generally aggravated by Exposure: None known

Section 8.0 - PREVENTATIVE MEASURES & SHIPPING DETAILS

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None Eye Protection: Safety glasses, if splash potential
Protective Gloves: None Work / Hygiene Practices: None
Mechanical Ventilation: None Other Protective Equipment: None

SPILLS & WASTE DISPOSAL CONSIDERATIONS

Steps to be Taken in Case Material is Released or Spilled
Remove all sources of ignition. Flush area with water.

Waste Disposal Method

Dispose in accordance with applicable local, state, and federal regulations. Testing of waste solution (flashpoint) may be required to determine hazardous characteristics.

HANDLING & STORAGE

Precautions to be Taken in Handling and Storage

Avoid excessive heat; contents may build pressure in heated conditions; vapor may be flammable. Consult local fire department authorities on maximum and recommended storage areas.

Other Precautions: **KEEP AWAY FROM IGNITION SOURCES**

SPECIAL SHIPPING INFORMATION & DETAILS.

US Domestic Ground Transport: ORM-D Consumer Commodity; flashpoint 93° F
International Air (IATA): Class 9, Consumer Commodity (ID8000) Packing Instruction 910
Ocean (IMDG): UN1993, Flammable Liquids, N.O.S. (60% ethanol solution - medicated skin care)
LTD QTY (limited quantity)
NOTE: Consult appropriate U.S. DOT / IATA /IMDG regulations for specific details on shipping this product.

Section 9.0 - FIRST AID MEASURES

EYE CONTACT: Immediately flush with water for 15 minutes. Consult physician.
INGESTION: **DO NOT INDUCE VOMITING.** Consult local physician.

NOTES: NA - not applicable, ND - not determined NE - not established