

MATERIAL SAFETY DATA SHEET

Manufactured for:
Techni-Tool, Inc.
1547 N Trooper Rd
Worcester, PA 19490

Preparation Date: 11/4/96
MSDS #: 758CH4545
Supersedes: N/A

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Self-Saturating Foam Tipped Swab

HMIS RATING
Health : 2
Flammability: 4
Reactivity: 1

SECTION 2: HAZARDOUS COMPONENT INFORMATION

Ingredients	EPA Toxic	CAS #	%wt	OSHA-PEL	Vapor Pres.
Isopropyl alcohol	400ppmTWA	67-63-0	91%	500ppmSTEL	33 mm Hg

SECTION 3: PHYSICAL DATA

Boiling Point: 180.07 F
Percent Volatile: 91%
Vapor Density: 2.07
Evaporation Rate: 2.88 (Butyl Acetate = 1)

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point: 63 F, 17 C (Tag Open Cup ASTM D 1310)
Extinguishing Media: CO2, Foam, Dry Chemical
Unusual Fire Hazards: Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. This material may produce a floating fire hazard.

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None Known

Section 5: Reactivity Data cont.

Incompatibility (materials to avoid): Strong oxidizing agents, halogens, strong inorganic acids, strong inorganic acids, aldehydes, and halogen compounds.

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SECTION 6: HEALTH HAZARD DATA

Primary Route(s) of Exposure: Swallowing, Skin Contact, Inhalation, and Eye Contact.

Signs and Symptoms of Overexposure:

Acute Effects:

Swallowing: Slightly toxic. May cause abdominal discomfort, nausea, vomiting, diarrhea, loss of consciousness, and drowsiness.

Inhalation: Vapor causes irritation of the respiratory tract, with coughing and chest discomfort.

Skin Contact: May cause minor irritation with itching and possible slight local redness.

Prolonged or repeated contact may cause defatting and drying of the skin.

Eye Contact: Causes irritation, experienced as stinging and discomfort or pain. Corneal injury may occur.

Chronic Effects:

No adverse effects anticipated from available information.

Emergency and First Aid Procedures:

Swallowing: If patient is fully conscious, give two glasses of water. Induce vomiting and seek medical attention.

Skin: Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen may be given by qualified personnel. Obtain medical attention.

Eyes: Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

Notes to Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 7: SPILL OR RELEASE PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Extinguish and do not turn on any ignition source until the area is determined to be free from fire or explosion hazard. Wear suitable protective equipment. Avoid contact with eyes. Small spills can be flushed with large amounts of water; larger spills should be collected for disposal.

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WASTE DISPOSAL METHOD:

Incinerate in a furnace where permitted under Federal, State and local regulations. At very low concentrations in water, this product is biodegradable in biological wastewater treatment plant.

SECTION 8: SPECIAL PRECAUTION INFORMATION

Respiratory Protection: Use self-contained breathing apparatus in high vapor concentrations.

Ventilation: General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled in closed equipment. Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

Gloves: Use plastic or rubber material gloves.

Eye Protection: Monogoggles

Other: Eye wash, safety shower.

SECTION 9: SPECIAL PRECAUTIONS

Precautions in Handling and Storage: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in the elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled "Ignition Hazards of Organic Chemical Vapors."

DISCLAIMER

Hardwood Products Company believes this data to be accurate. Although they make no warranty concerning the accuracy of the information herein. It is the responsibility of the buyer to research and understand safe methods of handling, storing, and disposal of this product. It is also the buyers responsibility to comply with local, state and federal regulation concerning use of this product.