Mard's Natural Science Establishment, Ltd. 1840 Mattawa Avenue Missasauga, Ontario LdX IKI

MATERIAL SAFETY DATA SHEET せの名の

MSDS No. LE /U Effective Date-July 1, 1986 EE 70

## SUAL FIRE AND OSION HAZARDS CTION CTION nice) CEDURES or Density (Air = 1) or Pressure (mm Hg) guisher Prance and Odor billty in Water ling Point (°F) icipal Hazardous Component(s) S. No. duct od Used) ing Point (°F) CTION III i(s) Size CTION I AL FIRE AND Vapors formed from this product may travel or be moved by air SION HAZARDS currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at location distant from handling point. CAUTION: Flame may not be visible in daylight. Fire or excessive heat may produce hazardous decomposition : Ethyl Acetate (FLANWABLE: TOXIC BY INMALATION Aliphatic Hydrocarbons (FLANNABLE: IRRITANT) Rethanol (FLANBURGE: TOXIC Ethyl Alcohol (FLAMMBLE) For pure Ethyl Alcohol, not dematured. SYNONYMS Con't.-Covernment formula # 1, 200 proof, Neosol® This Material Safety Data Sheet is applicable for Ethyl Alcohol, Anhydrous (200 proof and Ethyl Alcohol 95% (190 proof) containing 5% water. Water spray, carbon dioxide (CO2); dry chemical (ABC); alcohol-type, or universal-type foams 47°F (8.3°C) TCC 500 ml. 1 Liter, 4 Lt., 20 Lt. 64-17-5 \*\*\* снзск2он Ethanol, Proprietary Solvent ETHYL ALCOHOL, DENATURED\* PHYSICAL DATA FIRE AND HAZARDOUS INGREDIENTS OF MIXTURES NAME Clear, colorless, mobile liquid; mild characteristic odor. Ca 1.6 Complete Ca 42 @ 68°F Freezing Pt. -80°C 163-174°F (74.5 to 79.5°C) Wear a NIOSH-approved self-contained breathing apparatus protective clothing. EXPLOSION HAZARD DATA % by Volume : Percent Volatile by Volume (%) Specific Gravity (H,0=1) 0.795 @ 20/20°C n-Butyl Ac 24 HOUR EMERGENCY ASSISTANCE EAST HAZARD RATING ZTOA SUCHT 89.0% 1 07 4.73 4.5% Day 716-226-6177 Ngn 716-334-4222 % 800-424-9300 CHEMTREC 3.3 (Et.Aic.) 19.0 (Et.Aic. MODERATE 100% 400ppm 500ppm 200ppm (skin) 1000ppm (Air) TLY Units ယ နို Reactivity 0 Health and Fire 3 EXTREME

## Emergency and First Aid Procedures Effects of Overexposure | Museri 果 reiser 吳 Threshold Limited Value Ethyl Alcohol TuA: 1000ppm: 1900 mg/m<sup>3</sup>(AIR). Hethanol TuA: SKIN 200ppm; SECTION V Get medical attention. decreased reaction, euphoria, nausca, vomiting, staggering gait, and coma. <u>SKIN ABSORPTION:</u> No evidence of adverse effects from available information. <u>INHALATION:</u> May cause dizziness, 260 mg/m3; Ethyl Acetate TMA: 400ppm; 1400 mg/m3 (AIR). MOTES TO PHYSICIAN: Aid Procedures If conscious, give two glasses of water to drink, induce vemiting. Repeat till vomit fluid is clear. Call physician immediately. SKIM: Flush with water. [HHALATION: Remove to fresh air. EYES: immediately flush eyes with plenty of water for at least 15 minutes. drowsiness, nausea and vomiting. SKIN CONTACT: Dehydration of skin. EYE CONTACT: Causes winor irritation. HEALTH HAZARD DATA ingestion of large quantities of this material will result in methyl alcohol poisoning. IF SWILDNED. INGESTION: Causes dizziness, drowsiness,

material i	Steps to be taken in case	SECTIO		May Occur	Hezardous Polymerization	Hazardous Decomposition Products	Incompatibility (Materials to avoid)		Stability	SECTION VI	
s release	e taken i	N VII		M III.M	Polymeriza	sition Pro	to avoid)	Stable	Unstable	IN NO	
material is released or spilled absorbent. Burn in an approved incine	n case	SPILL O	×	Will Not Occur		ts	Concentrated n		0	REACTIV	
نا ۾	Remove all sources of ignition. provide adequate wentilation for	SECTION VII SPILL OR LEAK PROCEDURES			Conditions to Avoid	Thermal decomposition or burning can produce carbon monoxide and/or carbon dioxide.	Concentrated mitric or sulfuric acid; strong oxidizing agents.	Heat, fire, ignition source.	Conditions to Avoid	REACTIVITY DATA	

Discharge, treatment, or disposel may be subject to federal, state, or local laws disposal service.

Dispose of in an approved incinerator or contract with a licensed

Waste Disposal Method

## Protective Gloves Ventilation Local Exhaust Recommended SECTION VIII SPECIAL PROTECTION INFORMATION itation Protection Rubber laboratory use at room temperatures none should be needed. If required Eye Protection chemical safety glasses. Special No

# Precautions to be Taken store in a cool, dry, well wentilated area, away from any fire hazard. SECTION IX SPECIAL PRECAUTIONS

Smock, apron, eye wash station, goggles, fire extinguisher, proper gloves

Other Protective

in Handling and Storing Keep container lightly closed when not in use Use with adequate ventilation. Do not take

Read label on container before using

internally.

Other Precautions

Wash thoroughly after handling

For laboratory use only. Not for drug, food or household use. Keep out of reach of children

Date 1/12/87 Approved Monday It seemed

Chemical Safety Coordinator

Rev. No. 1/6 /

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red by U.S. Department of Labor "essentially similar" to form OSHA-20

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products; can react vigorously with oxidizing materials.