MATERIAL SAFETY DATA SHEET

000970

C.A.S. No. Formula Product Unit(s) Size hemical synonyms SECTION SECTION 67×56-1 CH3OH 500 ml, 1 Liter, 5 pt., 4 Lt., Methanol, Wood Alcohol METHYL ALCOHOL NAME 20 4+ 4+

Day 716-226-6177 Night 716-334-4222 CHEMTREC 800-424-9300 Health Fire

HAZARD RATING MODERATE

Reactivity

EXTREME

HAZARDOUS INGREDIENTS OF MIXTURES w

Principal Hazardous Component(s) BLINDNESS IF SWALLOWED, CAN NOT BE MADE NONPOISONOUS Methyl Alcohol POISON R -FLAMMABLE-CAN BE FATAL OR CAUSE 100% % See Section V TLV Units

HARMFUL IF INHALED.

Vapor Pressure (mm Hg) Boiling Point (°F) Melting Point (°F) PHYSICAL DATA -97.8°C (-144°F) 96 mm at 20°C 64.7°C (148.5°F) Evapgration Rate Specific Gravity (H,0 = 1) Percent Volatile by Volume (%) 0.7913 12.5% at 25°C 100% (20/4°C)

Solubility in Water Vapor Density (Air = 1)

Appearance and Odor Clear, colorless liquid; alcohol odor.

Complete

SECTION IV ash Point lethod Used) 52°F (11°C)- TCC FIRE AND EXPLOSION HAZARD DATA Flammable Limits in Air % by Volume 6.6% at 790F Upper 36.5%

Extinguisher Water spray; carbon dioxide (CO2); dry chemical(ABC)

SPECIAL FIREFIGHTING PROCEDURES

Autoignition temperature: 54°F (12.2°C)

tant foam to extinguish large fires or to blanket spill to reduce vapors. spray to cool fire exposed containers. Use alcohol resisbreathing apparatus. Water may be ineffective. Use water In fire conditions, wear a NIOSH-approved self-contained

UNUSUAL FIRE AND EXPLOSION HAZARDS

3

Class IB flammable liquid.

ç streams which may splash and spread flamming liquid.
Vapors are heavier than air and may flow along surfaces with 25% or more methanol are flammable. Avoid water Burns with a clear, almost invisible flame, especially distant ignition sources and flash back. to see in strong sunlight. Methanol-water mixtures

D.O.T.

FLAMMABLE LIQUID

SCIENTIFIC hed

> 905 HICKORY LANE MANSFIELD OHIO 44905 FREY SCIENTIFIC

> > MSDS No. Effective Date

Rev. No.

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

SECTION V HEALTH HAZARD DATA

Threshold Limited Value OSHA THA 200ppm, 260 mg/m³ (ACCIH 1983-84)

Effects of Overexposure

ACGIH TWA: (SKIN) 200 ppm, 260 mg/m3, STEL 250 ppm, 310 mg/m3. May be fatal if swallowed. Cannot be made non-poisonous.

Swallowing the liquid causes inebriation, headache, nausea and vomiting leading to severe illness, bindness and perhaps death. <u>EYES:</u> Liquid causes eye irritation. <u>INHALATION:</u> Breathing vapors may cause drowsiness, nausea and vomiting. <u>SKIN:</u> Repeated contact may irritate skin.

Emergency and First Aid Procedures

is clear. Call physician immediately. Never give anything by mouth to an drink, induce vomiting by placing finger down throat, <u>NGESTION:</u> If swallowed, if conscious, give one or two glasses of water to Repeat until vomit fluid

EYES: Flush with plenty of water for at least 15 minutes. Get medical attention. SKIN: Flush with water. unconscious person. <u>IMHALED:</u> If inhaled, remove to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth. If breathing is difficult, give oxygen by trained personal. Call a physician.

SECTION VI REACTIVITY DATA

Stability Stable Unstable **Conditions to Avoid** Sparks, excessive heat

(Materials to avoid) Incompatibility

Nitric acid, chromic Anhydride

Strong oxidizing agents. Particularly perchloric acid and lead perchlorate,

Hazardous

and/or carbon monoxide. Thermal decomposition or burning will produce carbon dioxide

Decomposition Products Hazardous Polymerization

Will Not Occur **Conditions to Avoid** Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

up spills (sand, earth or vermiculite). Carefully sweep up and remove. Spills in critical areas can be diluted with water to Eliminate all ignition sources. or waterways. reduce fire hazard during cleanup. Use absorbent materials to soal Do NOT flush to sewer,

Waste Disposal Method

Dispose of in an approved incinerator or contract with a licensed solvent waste disposal service.

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation Local Exhaust Mechanical (General) approved incinerator or contract with a licensed waste disposal Other

Eye Protection

Chemical safety glasses

Protective Gloves Other Protective 60ggles, smock, apron, eye wash station, safety shower, proper gloves, ventilation hood, fire extinguisher. Rubber

SECTION IX

Precautions to be Taken Handling and Storing fire hazards.

SPECIAL PRECAUTIONS Store_in_a_cool, Wash thoroughly after handling. dry..well-ventilated area away_from_strong_oxidizers.and

keep container tightly closed when not in use

Other Precautions

Read label on container before using.

electrically grounded/bonded during material transfer to prevent Use explosive-proof electrical fixtures. Containers should be

static spark. Corrosive to lead and aluminum.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children 10.

Date 1/12/87 Approved (Myambul)

Chemical Safety Coordinator P

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