



MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): POLAR GASLINE ANTIFREEZE & WATER REMOVER

PRODUCT CODE: POGLAM12, POGLAM10

NFPA Hazard Identification 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

Health: 1

Fire: 3

Reactivity: 0

Section I - General Information

Warren Distribution, Inc.
2849 River Road
Council Bluffs, IA 51501
Information (402) 341-9397

Emergency (402) 677-1331 Chemtec (800) 424-9300 Reviewed: 12/31/02

Section II - Composition/Information on Ingredients

Table with 5 columns: COMPONENT NAME, %, CAS, OSHA PEL, ACGIH TLV. Row 1: Methyl Alcohol, 100, 67-56-1, 200ppm, 250ppm

Section 313 Supplier Information

This product contains a toxic chemical subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-know Act of 1986 (40 CFR 372):

NON-HAZARDOUS INGREDIENTS

No IARC, NTP, OSHA and ACGIH listed carcinogens.

Section III - Hazards Identification

EYE CONTACT: May be slightly irritating.

SKIN CONTACT: May be absorbed in harmful amounts and cause blindness. Repeated skin contact may cause dermatitis.

INHALATION: May be absorbed in harmful amounts and cause blindness.

INGESTION: If taken internally it may cause blindness.

CARCINOGENICITY: n/a

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Inhalation may cause coughing, shortness of breath, dizziness, intoxication, and collapse. Skin absorption can result in blurred vision, photophobia, and may cause acidosis.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Dermatitis, asthma

**OTHER HEALTH INFORMATION:** Methanol toxicity is antagonized with ethanol.

#### Section IV - First Aid Procedures

**EYE CONTACT:** Flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.

**SKIN CONTACT:** Wash with soap and water. If irritation develops, seek medical attention.

**INHALATION:** Remove from exposure, seek medical attention immediately.

**INGESTION:** Induce Vomiting using syrup of ipecac or the back of a spoon. Call physician, hospital emergency room, or poison control for instructions.

#### Section V - Fire and Explosion Hazard Data

Flash Point (deg F): 58 Method Used: TCC

Flammable or Explosive Limits (approximate % by volume in air) LEL: 3.2 UEL: 15.3

**EXTINGUISHING MEDIA:** Dry chemical, CO<sub>2</sub>, foam for alcohols.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fire may not be visible to the naked eye. Use self-contained breathing apparatus and other protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Releases flammable vapors below normal ambient temperatures. When mixed with air and exposed to ignition source, can burn or explode if confined.

#### Section VI - Accidental Release Measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Evacuate area of all unnecessary personnel. Wear full protective clothing and gear.

#### Section VII - Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store only in tightly closed and properly vented containers away from heat, sparks, open flames, and strong oxidizing agents. Use only non-sparking tools. Blanket storage with dry inert gas. Store drums with bung in up position. Carefully vent internal pressure before removing closure. Ground containers before transfer. Will absorb atmospheric pressure.

**OTHER PRECAUTIONS:** Electrical equipment should conform to national electric code. Carbon steel is satisfactory for material of construction. Do not store in aluminum or zinc (galvanized). Handle empty drums with care - vapor/residue may be flammable and/or poisonous.

#### Section VIII - Exposure Controls/Personal Protection

**RESPIRATORY PROTECTION:** Use NIOSH approved self-contained breathing apparatus.

**VENTILATION:** Local exhaust is recommended and general room ventilation is required.

**PROTECTIVE GLOVES:** Recommended (rubber)

**EYE PROTECTION:** Use chemical goggles or face shield.

**OTHER PROTECTIVE EQUIPMENT:** Use apron, boots, and full body covering if skin contact is possible.

**WORK PRACTICES/ENGINEERING CONTROLS:** Keep containers closed when not in use.

**PERSONAL HYGIENE:** Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before re-use. Show after contact using plenty of soap and water.

#### Section IX- Physical/Chemical Characteristics

Boiling Point (deg F): 148      Specific Gravity (H<sub>2</sub>O=1): .797      Vapor Pressure (mm Hg): 97  
Melting Point (deg F): -144      Vapor Density (Air=1): 1.105      Solubility in water: Totally miscible  
Evaporation Rate (n-butyl Acetate=1): 4.6

**APPEARANCE AND ODOR:** Clear, characteristic pungent odor - not good indicator of exposure level.

#### Section X - Reactivity Data

**STABILITY:** Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxygen and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Carbon oxides and various hydrocarbons

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Heat, open flame

#### Section XI - Toxicological Information

See Section IV

#### Section XII - Ecological Information

#### Section XIII - Disposal Considerations

**WASTE DISPOSAL METHOD:** Incinerate or otherwise manage at RCRA permitted waste management facility.

#### Section XIV - Transport Information

**CONSUMER COMMODITY, ORM-D**

#### Section XV-Regulatory Information

**SARA SECTION 313:** This product contains 100% methanol, CAS 67-56-1.

**WHMIS classification for product:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we received from sources outside our company and we believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.