

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Trade Name: OATEY ALL PURPOSE LEAK DETECTOR
Product Use: Detecting leaks in systems under gas pressure.
Formula: See Section 2.
Synonyms: Leak detector.
Firm Name & Mailing Address: OATEY CO. 4700 West 160th Street P.O. Box 35906 Cleveland, Ohio 44135, U.S.A. <http://www.oatey.com>
Oatey Phone Number: (216) 267-7100
Emergency Phone Numbers: For Emergency First Aid call 1-303-623-5716 COLLECT. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300
Prepared By: Corporate Director - Safety and Environmental Compliance
Preparation Date: June 10, 2005

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	%wt/wt:	CAS NUMBER:	ACGIH TLV TWA:	OSHA PEL TWA:	OTHER:
Ethylene Glycol	40 - 70%	107-21-1	100 mg/m3 (c)	None	None
Water	30 - 60%	7732-18-5	None	None	None

(c) = Ceiling

OSHA Hazard Classification: Harmful if swallowed. Organ effects.

SECTION 3

HAZARDS IDENTIFICATION

Emergency Overview:
Ice blue liquid, which may cause eye, skin, and respiratory tract irritant.
Ingestion can cause CNS and kidney effects and possibly death.

SECTION 4

FIRST AID MEASURES

CALL 1-303-623-5716 COLLECT

Skin: Remove contaminated clothing immediately. Wash all exposed areas with soap and water. Get medical attention if irritation develops.

Eyes: If material gets into eyes or if fumes cause irritation, immediately flush eyes with plenty of water until chemical is removed. If irritation persists, get medical attention immediately.

Inhalation: If respiratory irritation develops, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

Ingestion: If swallowed, immediately give 2 glasses of water and induce vomiting. Never give anything by mouth to a person who is unconscious or drowsy. Get immediate medical attention by calling a Poison Control Center, or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital.

SECTION 5 FIRE FIGHTING MEASURES

Flashpoint / Method: Not applicable.
Flammability: LEL = Not Applicable, UEL = Not applicable
Extinguishing: Not applicable.
Media:
Special Fire Fighting: None.
Procedure:
Unusual Fire and Explosion: None
Hazards:
Hazardous: Combustion, after water is boiled off, will produce oxides
Decomposition: of carbon.
Products:

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill or Leak: See Section 8 for required personal protective equipment. Contain spill, stop source of leak, pump spilled material into salvage
Procedures: container, soak up remaining material with absorbent such as sand or clay. Prevent product from entering potable or natural water systems. Determine if reporting is required under CERCLA.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid prolonged and repeated skin contact. Launder contaminated clothing before reuse.
Storage: Store away from direct heat source and strong oxidizing agents.
Other: Do not pressurize, cut, weld, braze, drill, grind or heat empty containers as some flammable, hazardous or combustible residue may be present. Avoid breathing mist. For industrial use only.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Recommended to maintain mist below TLV limit.
Respiratory Protection: For operations where the exposure limit may be exceeded, a NIOSH approved organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

Skin Protection: Oil/Chemical resistant gloves to minimize skin contact.
Eye Protection: Goggles or face shield if contact is expected.
Other: Eye wash and safety shower should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 238 °F / 114 °C
Melting Point: Not determined
Vapor Pressure: Not determined
Vapor Density: 1.14 (Air = 1)
Volatile Components: Nil.
Solubility In Water: 100%
pH: Not determined
Specific Gravity: 1.039
Evaporation Rate: 3.4
Appearance: Ice blue liquid.
Odor: Soapy fragrance.
Will Dissolve In: Water
Material Is: Liquid

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.
Conditions To Avoid: None.
Hazardous
Decomposition: Oxides of carbon.
Products:
Incompatibility/ None.
Materials To Avoid:
Hazardous: Will not occur.
Polymerization:

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation: Excessive exposure to mist may irritate respiratory tract.
Skin: May cause irritation. Skin absorption may occur in amounts capable of producing toxic effects.
Eye: May cause irritation, redness and itching.
Ingestion: May cause central nervous system depression, vomiting, drowsiness ataxia, slurred speech and renal damage. Convulsions, coma and death may result from ingestion of large quantities.
Chronic: Prolonged continued skin contact may cause dermatitis, mist may
Toxicity: irritate respiratory tract.
Toxicity Data: Ethylene glycol: Oral LD₅₀ (rat) 5,000 to 13,000 mg/kg.
Sensitization: None of the components are known to cause sensitization.
Carcinogenicity: None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.
Mutagenicity: None known
Reproductive: None anticipated based on product formula. Ethylene glycol may
Toxicity: cause birth defects based on tests with laboratory animals.
Medical
Conditions
Aggravated By
Exposure: None known.

SECTION 12 ECOLOGICAL INFORMATION

VOC
Information: Unknown
VOC Level: Unknown

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with current local, state and federal regulations.
RCRA Hazardous Waste Number: Not applicable
EPA Hazardous Waste ID Number: Not applicable
EPA Hazard Waste Class: None

SECTION 14 TRANSPORTATION INFORMATION

DOT
Proper Shipping Name: Not applicable
Hazard Class/Packing Group: Not applicable
UN/NA Number: Not applicable
Hazard Labels: Not applicable
IMDG
Proper Shipping Name: Not applicable
Hazard Class/Packing Group: Not applicable
UN Number: Not applicable
Label: Not applicable

SECTION 15 REGULATORY INFORMATION

Hazard Category for Section 311/312: Acute and chronic health hazards

Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Section 302.

Section 313 Toxic Chemicals: 40 - 60% ethylene glycol.

CERCLA 103 Reportable 5,000 lbs. (ethylene glycol).

California Proposition 65: This product does not contain any chemicals subject To California Proposition 65 regulation.

TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

Canadian WHMIS Classification: D-2A. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16 OTHER INFORMATION

NFPA and HMIS:

NFPA Hazard Signal: Health: 1 Flammability: 1 Reactivity: 0 Special: None

HMIS Hazard Signal: Health: 1* Flammability: 1 Reactivity: 0 PPE: B

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