

**MATERIAL SAFETY DATA SHEET**

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 AND SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 PUBLIC LAW 99-499. STANDARD SHOULD BE CONSULTED FOR SPECIFIC REQUIREMENTS.

**MANUFACTURER/  
SUPPLIERS NAME:**

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**SECTION 1 (Identification)**

**PRODUCT NAME:** EUTECTIC ROTOCLEAN II OS (New)

**PRODUCT CLASSIFICATION:** Chemical Aid

**SECTION 2 (Composition / Information on Ingredients)**

**IMPORTANT:** This section covers materials from which these products are manufactured. The term "Hazardous" in "Hazardous Ingredients" should not be interpreted as a term required and defined in OSHA Hazard Communication Standard (29 CFR Part 1910.1200). The chemicals or compounds subject to reporting under Title III, in Section 313, of the Superfund Amendments and Reauthorization Act (SARA) are marked by the symbol #.

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMIT</u>	
		<u>OSHA PEL</u>	<u>ACGIH TLV</u>
1-Bromopropane	106-94-5	Not Established	Not Established
Carbon dioxide #	124-38-9	5,000 ppm	5,000 ppm

Hazardous as per OSHA: Health , aerosol container

**SECTION 3 (Hazards Identification)****EMERGENCY OVERVIEW**

**Clear water white liquid with halogenated solvent odor. Irritating to eyes, skin, and respiratory tract.**

**Rating under National Fire Protection 704: Health, 2; Flammability, 0; Reactivity, 1**

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** High vapor and concentrations greater than the TLV are irritating to the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects. May cause liver and kidney effects. May aggravate an existing liver, kidney, respiratory and nervous system disorder.

**INGESTION:** Ingestion of small amounts of this liquid may be drawn into the lungs by either swallowing or vomiting. This may cause severe and delayed health effects such as inflammation of the bronchi. Ingestion may cause irritation of the digestive tract and diarrhea.

**SKIN CONTACT:** Frequent or prolonged contact may irritate or dry the skin or cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

**EYE CONTACT:** Irritating to eyes. High vapor concentrations may be irritating.

**CHRONIC:** Long term overexposure may affect lung, kidney, urinary, blood, bone marrow, heart, eye, and the central nervous system, and may cause reproductive and fertility problems.

**SECTION 4 (First Aid Measures)**

**INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention.

**INGESTION:** Do NOT induce vomiting. Use stomach pump. Get medical attention immediately.

**SKIN CONTACT:** Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Employ first aid techniques as recommended by The American Red Cross.

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**SECTION 5 (Fire Fighting Measures)****FLASH POINT:** None to boil, TCC**FLAMMABLE LIMITS:** 7.6% - 17.7%**AUTOIGNITION TEMPERATURE:** 490 °C**GENERAL HAZARD:** Containers can rupture and explode under fire conditions due to pressure and vapor buildup.**FIRE FIGHTING:** Either allow the fire to burn out under controlled conditions or extinguish with water, foam, or dry chemical. Cool exposed containers with water spray. Wear a self-contained breathing apparatus and protective clothing to prevent skin and eye contact in fire situations.**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes, and oxides of carbon, hydrogen bromide, bromine, and carbonyl halides.**FLAMMABILITY CLASSIFICATION:** Aerosol LEVEL 1

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**SECTION 6 (Accidental Release Measures)****LAND SPILL:** Eliminate sources of ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal containers with lids tightly closed. For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Put all material into appropriate waste containers.**WATER SPILL:** THIS PRODUCT IS HEAVIER THAN WATER AND WILL SINK! Recovery will be difficult. Check with local environmental agencies for reporting requirements.

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**SECTION 7 (Handling and Storage)****STORAGE TEMPERATURE:** Store at ambient temperature. DO NOT STORE ABOVE 120 °F.**GENERAL:** This product is stable and non-hazardous polymerization will not occur. Keep away from heat sources, open flame, and other ignition sources. Do not store near strong oxidizing acids, strong bases, organic and inorganic acid chlorides, acid anhydrides, and reactive metals (such as sodium and potassium), and aluminum.

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**SECTION 8 (Exposure Controls / Personal Protection)****SKIN PROTECTION:** Wear impervious protective clothing, including boots, gloves (Viton or Norfoil), lab coat, apron or coveralls, as appropriate, to prevent skin contact.**EYE PROTECTION:** Use chemical safety goggles and / or full face shield where splashing is possible. Maintain eye wash fountains and quick-drench facilities in work area.**VENTILATION:** None normally needed. For enclosed areas, the use of fans or other mechanical ventilation is recommended. Use half or full-face piece organic vapor chemical cartridge or canister respirator when concentrations exceed the permissible exposure limits. Use self contained breathing apparatus (SCBA) or full piece airline respirator with auxiliary SCBA operated in the pressure-demand mode for emergencies and for all work performed in storage vessels, poorly ventilated rooms, and other confined areas.

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**SECTION 9 (Physical and Chemical Properties)****APPEARANCE:** Clear water, white liquid with halogenated solvent odor**BOILING POINT:** 90 °F**VAPOR DENSITY (Air = 1):** Approx. 4.1**EVAPORATION RATE, n-butyl acetate=1:** Approx. 6**SPECIFIC GRAVITY AT 75 °F:** 1.23**VAPOR PRESSURE, mm Hg at 20 °C:** Approx. 110**SOLUBILITY IN WATER:** Approx. 5 %**WT % ORGANIC VOLATILES:** 100

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**SECTION 10 (Regulatory Information)****DEPARTMENT OF TRANSPORTATION:****Proper Shipping Name:** Aerosols**Hazard Class:** 2.2**UN/NA:** 1950**Packing Group:** None**FLASH POINT:** none to boil**TSCA:** Listed**pH:** Not applicable**RCRA Hazard Class:** Non-hazardous waste

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