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Manufacturer's Name : THE RAMSEY COMPANY  
 Address : 24020 S. Frampton Avenue  
 Harbor City, CA 90710  
 Telephone Number : (213) 775-7547  
 Person Responsible for Preparation : Jeff Buckel  
 Date Prepared : September, 1989

HMIS RATING  
 Health 1  
 Flammability 0  
 Reactivity 0

IDENTITY

Common Name PRE-OIL-BREAK

Proper Shipping Name, Hazard Class, Hazard ID No.: NA

INGREDIENT INFORMATION

Principal Hazardous Component(s)	CAS No.	%	Threshold Limit
2-Butoxy ethanol	111-76-2	6-8	TLV/PEL:25 ppm Skin
Triethanolamine	102-71-6	1-3	NE
1,1,1-Trichloroethane	71-55-6	1-3	TLV/PEL:350 ppm STEL:450 ppm

SARA Title III Section 313 and 40 CFR Part 372 Notification:  
 2-Butoxy ethanol (under chemical category Glycol Ethers) and 1,1,1-Trichloroethane are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point 212°F      Specific Gravity 1.00      Vapor Pressure ND  
 Percent Volatile by Volume 99      Vapor Density ND      Evaporation Rate ND  
 Solubility in Water Dispersible      pH 9.3  
 Appearance and Odor Slightly opaque light amber liquid; mild solvent odor  
 Flash Point >200°F (T.C.C.)      Extinguisher Media NA

Special Fire Fighting Procedures Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.  
 Unusual Fire and Explosion Hazards None known to The Ramsey Company.

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REACTIVITY DATA

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**Stability** Stable      **Conditions to Avoid** Avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition.

**Incompatibility** Oxidizing agents (e.g. bleach). Avoid prolonged contact with, or storage in, aluminum or its alloys. Metallic aluminum and zinc powders should be avoided.

**Hazardous Decomposition Products** Carbon monoxide and dioxide, small amounts of hydrogen chloride, phosgene and chlorine.

**Hazardous Polymerization** Will Not Occur  
**Conditions to Avoid** None known to The Ramsey Company

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HAZARD DATA

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**Signs and Symptoms of Exposure**

Direct contact of product with eyes and skin may cause irritation. High vapor concentrations may cause irritation of eye, nose and throat, headache, dizziness, nausea and irregular heartbeats. May be harmful if swallowed (aspiration into lungs may lead to injury of other body systems). Preexisting eye, skin and respiratory disorders may be aggravated.

**Chemicals Listed as Carcinogens or Potential Carcinogens**      None

**Emergency and First Aid Procedures**

1. **Inhalation** Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek immediate medical attention.
2. **Eyes** Flush with water for at least 15 minutes. Call a physician if irritation develops.
3. **Skin** Flush with water. Call a physician if irritation develops.
4. **Ingestion** Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

**NOTE TO PHYSICIAN:** Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Exposure may increase "myocardial irritability." Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

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**SPECIAL PROTECTION INFORMATION**

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**Ventilation** Control airborne concentrations below the exposure guidelines. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

**Respiratory Protection** Atmospheric levels should be maintained below the exposure guidelines. When required to prevent overexposure, use NIOSH approved air-purifying respirator for organic vapors. For emergency and other conditions where the exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus.

**Protective Gloves** If prolonged or repeated contact is possible, wear rubber or other impervious gloves.

**Eye Protection** Where eye contact may be a problem, wear chemical splash goggles.

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**SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

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**Handling and Storage** Use good personal hygiene practice. Wash contaminated clothing and equipment before reuse. Use with adequate ventilation. Store in a cool dry place. Concentrated vapors of this product are heavier than air and will collect in low areas such as pits, degreasers, storage tanks, and other confined areas. Do not enter areas where vapors of this product are suspected unless special breathing apparatus is used and an observer is present for assistance.

**Release or Spill** Before attempting clean-up, refer to Hazard Data above. Evacuate area and dike large spills. Pump into salvage containers. Soak up residues and small spills with absorbent such as clay or vermiculite and place into leak proof containers for disposal. Keep out of water supplies.

**Waste Disposal** When disposing of the unused contents, the preferred options are to send to licensed reclaimer, permitted incinerators, or to evaporate small quantities in compliance with local, state, and federal regulations. Dumping into sewers, on the ground, or into any body of water is strongly discouraged and may be illegal.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.