

MATERIAL SAFETY DATA SHEET

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DATE PREPARED: 03/06/06

1 PRODUCT IDENTIFICATION

PRODUCT NAME: Orelube **1035 CLEANER**
CHEMICAL FAMILY: Aqueous solution of organics
PRODUCT USE: Alkaline cleaner

NFPA
Health - 2
Flammability - 0
Reactivity - 0

2 PRECAUTIONARY INFORMATION

Causes eye irritation. Inhalation of mist or vapor may be irritating. This product is highly alkaline and is expected to be a skin and eye irritant.

3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	OSHA PEL	ACGIH TLV	ACGIH STEL	CAS #
This Material Safety Data Sheet (MSDS) has been prepared under guidelines in OSHA Hazard Communication Standard 29 CFR 1910.1200.				
Secondary alcohol ethoxylate				84133-50-6
Ethylene glycol monobutyl ether				111-76-2
Sodium xylene sulfonate				1300-72-7
Sodium metasilicate pentahydrate				6834-92-0
Trisodium phosphate dodecahydrate				7601-54-9

None of the components of this product at concentrations greater than or equal to 0.1% are listed as a carcinogen or potential carcinogen by NTP, IARC, OSHA.

4 POTENTIAL HEALTH EFFECTS

EYE: Will cause acute eye irritation upon contact.
SKIN: Prolonged and/or repeated skin contact may cause irritation.
INGESTION: Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury.
INHALATION: Vapors or mists may be produced which may cause irritation to the respiratory tract.
CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged and/or repeated exposure may cause irritation to the skin, eyes, or respiratory tract.
PRIMARY ROUTE(S) OF ENTRY:
Eye Skin X Inhalation Ingestion

5 FIRST AID

SKIN: Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical attention.
EYES: Immediately flush with plenty of water for 15 minutes. If irritation occurs, get medical attention.
INGESTION: Do not induce vomiting. Get medical attention.
INHALATION: If respiratory discomfort or irritation occurs, move the person to fresh air. Get medical attention.

6 EMPLOYEE PROTECTION

RESPIRATORY: None under normal conditions. NIOSH-approved supplied-air respirator when exposed to mists or vapor from material.
VENTILATION: Mechanical (general) is satisfactory. Provide ventilation sufficient to prevent exceeding recommended exposure limit. Use local exhaust in areas where mists or vapors are generated.
HANDS: Oil impervious gloves, if needed, to avoid prolonged or repeated skin contact.
EYES: Splash goggles or face shield when eye contact may occur.
OTHER: Avoid contact with skin and eyes. Wash thoroughly after handling.

7 PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Pink color
ODOR:
BOILING POINT: Not determined
SPECIFIC GRAVITY (H₂O = 1): ~ 1.00
VAPOR PRESSURE (mm Hg): Not determined
VAPOR DENSITY: Not determined
SOLUBILITY IN WATER: Miscible
EVAPORATION RATE (Butyl acetate = 1): < 1
PHYSICAL FORM: Liquid
pH: 11.89

8 REACTIVITY

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon, phosphorus, sodium, sulfur.
HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable
INCOMPATIBILITY: Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc.

9 FIRE AND EXPLOSION DATA

FLASH POINT (COC): None
FLAMMABLE LIMITS (approx. % by vol. in air):
LEL - No data available UEL - No data available
AUTOIGNITION TEMP: Not determined
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None indicated.

10 SPILL OR LEAK PROCEDURES

Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

11 WASTE DISPOSAL METHODS

Use licensed waste oil disposal contractor, remove to regulated landfill, or incinerate in an approved facility. Separate oily contaminants and, if required, neutralize to Ph 6.8 – 7.2, diluting with large amounts of water for disposal in accordance with applicable local, state and federal regulations governing disposal of alkaline organics. Empty containers may contain product residue. Do not cut, heat or weld on or around empty containers.

12 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in closed containers away from heat or open flames. Do not store with oxidizing agents. Avoid freezing. Not for internal use. Avoid contact with skin, eyes and clothing.

13 TOXICOLOGICAL INFORMATION

This product is a mixture not tested as a whole for toxicity.

14 ECOLOGICAL INFORMATION

Not available.

15 REGULATORY INFORMATION

All components of this product are listed on the TSCA Inventory.
All components of this product are listed on the Canada DSL Inventory.
This product does contain a following SARA Title 3 Section 313 (40 CFR 372) reportable chemical:
8.6% wt. Ethylene glycol monobutyl ether

16 TRANSPORTATION INFORMATION

Not regulated by US DOT, IMO, or ICAO.

17 OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The Orelube Corporation. The Orelube Corporation assumes no legal responsibility for the use or reliance upon this data.