

MATERIAL SAFETY DATA SHEET



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Emergency Phone:
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PRODUCT NAME: LA 180, Heavy Duty Cleaner and Degreaser

REVISION DATE: 08/08/2001 **REVISION NUMBER:** 2
DATE PRINTED: 03/13/2002 **PREPARED BY:** EH&S DEPARTMENT

1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 4125
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2
Fire: 0/0
Reactivity: 0/0
Special/Protective Equipment: ALK/B

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT
Diethylene glycol butyl ether 112-34-5	10	NA	NA	NA	NA
Sodium dodecylbenzene sulfonate 25155-30-0	5 max.	NA	NA	NA	NA
Sodium metasilicate 6834-92-0	5 max.	NA	NA	NA	NA

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212 F (C) NA
VAPOR PRESSURE: 0.625
VAPOR DENSITY (AIR=1): 15.7 mm Hg @ 22.2 C
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.039 +/- 0.005; 8.64 #/gal.
VOC Content (%): 10.0
EVAPORATION RATE: (BuAc = 1) : 1.26
PH: 12.5 - 13.5
APPEARANCE AND ODOR: Clear. Yellow. Green liquid. Slight glycol ether odor.

4. FIRE AND EXPLOSION HAZARD DATA

LA 180, Heavy Duty Cleaner and Degreaser

FLASH POINT (F): None (TCC) (C): NA

METHOD: TCC

EXTINGUISHING MEDIA: As for surrounding fire. Product will not burn.

FIRE FIGHTING PROCEDURES: Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

5. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, may release: Soot. Smoke. Carbon Monoxide. Traces of: Sulfur compounds.

INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients and may release acid fumes.

CONDITIONS/HAZARDS TO AVOID: None.

6. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

Causes vomiting, nausea, and diarrhea. May cause burns to mucous membranes of mouth, throat, and digestive tract.

SKIN CONTACT:

Prolonged contact causes severe burns which may not be immediately painful or visible. Glycol ether component can be absorbed through the skin.

INHALATION:

Inhalation of spray mists irritating to nose and throat; possible nausea, dizziness. Possible tissue damage.

EYE CONTACT:

MAY CAUSE EYE BURNS. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS:

Dermatitis. Possible respiratory damage from inhalation of dust or mist. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.

EFFECTS/CARCINOGENICITY:

None listed under OSHA, IARC, or NTP.

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ROUTES OF ENTRY:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

EMERGENCY AND FIRST AID MEASURES:

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns develop. **INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. **EYES:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

7. HANDLING AND STORAGE

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Rinse down drain.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DANGER: Concentrated, alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area. Store in a well ventilated area. Keep from freezing.

OTHER PRECAUTIONS:

Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved respirator with dust/mist filter as needed to meet exposure limits of mist in air.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION

EQUIPMENT:

Rubber boots. Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.

VENTILATION:

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

Health and safety information presented on this form is generally applicable at

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recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

***** END OF MSDS *****