



**ALDON
CORPORATION**

MATERIAL SAFETY DATA SHEET

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MSDS No. RR 13
Effective Date November 3, 1998

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| | | | | |
|-------------------|----------------------------|---|------------|---|
| Product | PRIMACLEAN METAL DEGREASER | <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <p>LEAST SLIGHT MODERATE HIGH EXTREME</p> <p>0 1 2 3 4</p> <p>HMIS *</p> <p>0 1 2 3 4</p> | Health | 2 |
| Chemical Synonyms | N/A | | Fire | 2 |
| Formula | Mixture. | | Reactivity | 0 |
| Unit Size | up to 55 gallon | | | |
| C.A.S. No. | Mixture. | | | |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
|--|------|-----------------|
| Proprietary blend of paraffinic hydrocarbons and | | |
| a P-series alkyl glycol ether. | 100% | SEE - Section V |

WARNING! COMBUSTIBLE LIQUIDS! MAY CAUSE IRRITATION TO SKIN AND EYES.

SECTION III PHYSICAL DATA

| | | | |
|------------------------|------------------------------|---|----------------|
| Melting Point (°F) | Freezes @ 1°C (33°F) | Specific Gravity (H ₂ O = 1) | 0.81 @ 25/25°C |
| Boiling Point (°F) | >205°C (>400°F) | Percent Volatile by Volume (%) | 100% |
| Vapor Pressure (mm Hg) | <1 mm @ 25°C | Evaporation Rate (Butyl Ac. =1) | <1 |
| Vapor Density (Air=1) | >5 | | |
| Solubility in Water | <1 g/100 g | | |
| Appearance & Odor | Colorless liquid; mild odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|---------------------------|--|-------------------------------------|-----------------------|----------------------|
| Flash Point (Method Used) | 104°C (219°F) SFCC | Flammable Limits in Air % by Volume | Lower 20.4 @ 180°C | Upper 0.6 @ 145°C |
| Extinguisher Media | Water fog, foam, CO ₂ , Dry chemical, Foam. | | | |

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes. For large scale fires, alcohol resistant foams are preferred if available. General purpose synthetic foams or protein foams may function, but much less effectively. Direct water stream may cause violent frothing, but fine water spray may help control situation.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Combustible liquid. Fire or excessive heat may produce hazardous decompositions products.

1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 128.

D.O.T. Combustible liquid, n.o.s., (Paraffinic hydrocarbons), NA 1993, PG III

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V

HEALTH HAZARD DATA

RR 13

Threshold Limited Value

TLV and OSHA PEL guidelines as oil mist 5 mg/m³ (Mineral Oil).
Toxicity data: LD50: >3700 mg/kg (oral-rat); LD50: >3160 mg/kg (dermal-rabbit) for the hydrocarbon component. LD50: >2000 mg/kg (dermal-rat) for the glycol ether component.

Effects of Overexposure

SKIN: May cause irritation on prolonged contact with skin. Repeated contact may cause drying or flaking of skin. **EYES:** May cause irritation. **INHALATION:** Excessive exposure to heated vapors causes symptoms of upper respiratory tract irritation, central nervous system effects. **INGESTION:** Small amounts incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. If aspirated (liquid enters the lung) may cause lung damage or even death due to chemical pneumonia.

Emergency and First Aid Procedures

SKIN: Flush with soap and water. If irritation persists, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. **INGESTION:** Do NOT induce vomiting. If conscious give one or two glasses of water to drink. Call physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI

REACTIVITY DATA

| | | | |
|-----------|----------|---------------------|---|
| Stability | Unstable | Conditions to Avoid | Avoid formation of mists, mists can burn in the presence of an ignition source. |
| | Stable | X | |

Incompatibility (Materials to Avoid)

Oxidizing agents.

Hazardous

Decomposition Products

Carbon monoxide and/or carbon dioxide, unidentified organic compounds may be formed during combustion.

Hazardous Polymerization

Conditions to Avoid

May Occur

Will Not Occur

Not applicable.

X

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Eliminate all ignition sources. Soak up with suitable nonreactive absorbent material and place in suitable container for proper disposal. Keep out of sewers, storm drains, surface waters and soil.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Burn in an approved incinerator in accordance with federal, state and local requirements or contract with a licensed chemical waste disposal service.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed during normal handling at room temperatures. However, if misty conditions prevail, use a ventilation hood or wear a NIOSH/MSHA approved respirator.

Ventilation

| | | | |
|----------------------|--------------|---------|-----|
| Local Exhaust | Recommended. | Special | No. |
| Mechanical (General) | Recommended. | Other | No. |

Protective Gloves

Rubber.

Eye Protection

Chemical safety glasses

Other Protective Equipment

Goggles and face shield, lab coat, apron, proper gloves, eye wash station.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from ignition sources, oxidizing agents. Wash thoroughly after handling. Spills of these organic liquids on hot fibrous insulations may lead to lowering of the autoignition temperature possibly resulting in spontaneous combustion.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid contact with skin and eyes. Use adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

| | | | | | | | |
|----------|-------|------|---------|----------|-----------------|-----------------------------|----|
| Revision | No. 1 | Date | 11/3/98 | Approved | Michael Raszeja | Chemical Safety Coordinator | MR |
|----------|-------|------|---------|----------|-----------------|-----------------------------|----|

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