



# Material Safety Data Sheet

**Universal Non Foam  
Hydraulic Oil AW-All Grades**  
MSDS # 16-19-01B  
Date Prepared: 04/25/91  
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## 1 Product Identification

Product Name: **Non-Foam Hydraulic Oil, AW-All Grades**  
General or Generic ID: **Hydraulic Oil**  
CAS Number: **N/A**  
DOT Hazard Classification: **Not Hazardous**  
Synonyms: **Machine Oil, Lift Oil**

## 2 Components

| Ingredient                    | CAS #      | % by wt. | PEL                            | TLV                            |
|-------------------------------|------------|----------|--------------------------------|--------------------------------|
| Dewaxed Paraffinic Distillate | 64742-54-7 | >99      | 5mg/m <sup>3</sup><br>Note (1) | 5mg/m <sup>3</sup><br>Note (1) |
| Additive Mixture              | N/A        | <1       | N/A                            | N/A                            |

Note: (1) Oil Mist - Mineral

## 3 Physical Data

|                         |                       |
|-------------------------|-----------------------|
| Vapor Pressure          | Not Available         |
| Specific Gravity        | 0.86 to 0.90 @ 15.6°C |
| Water Solubility        | Insoluble             |
| Percent Volatile        | Not Available         |
| Vapor Density (air = 1) | Not Available         |
| Boiling Point           | Not Available         |
| Odor                    | Mild                  |
| Appearance              | Colored Liquid        |

## 4 Fire and Explosion Information

|                                 |  |
|---------------------------------|--|
| Flash Point                     | 150°C to 216 ° (PMCC)  |
| Upper Flammable Limit           | Not Available  |
| Lower Flammable Limit           | Not Available  |
| Extinguishing Media             | CO <sub>2</sub> , dry chemical, foam, water spray, water fog |
| Special Firefighting Procedures | None   |

| Ratings | Health | Fire | Reactivity |
|---------|--------|------|------------|
| NFPA    | 1      | 1    | 0          |
| HMIS    | 1      | 1    | 0          |

**Unusual Fire and Explosion Hazards:** Combustible at high temperatures. Irritating or toxic substance may be emitted upon thermal decomposition. Never use welding or cutting torch on or near container (even empty).

**Firefighting Procedures:** Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

## 5 Health Hazard Data

|                       |                                   |
|-----------------------|-----------------------------------|
| Threshold Limit Value | None Established                  |
| Oil Mist              | 5 mg/m <sup>3</sup> - Mineral Oil |

**Effects of Acute Overexposure:** The health effects noted are consistent with requirements under OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Eye Contact:** May cause minimal irritation.
- **Skin Contact:** May cause minimal irritation; prolonged contact may cause more severe irritation.
- **Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation.
- **Ingestion:** No adverse effects expected. If larger quantities are swallowed, abdominal discomfort, nausea and diarrhea may occur.

### First Aid:

- **Eye Contact:** No first aid procedures required. However, as a precaution flush eyes with fresh water. Remove contact lenses if worn.
- **Skin Contact:** No first aid procedures required. However, as a precaution flush skin thoroughly with soap and water. Remove and wash contaminated clothing.
- **Inhalation:** No first aid procedures required. However, as a precaution remove individual to fresh air.
- **Ingestion:** If swallowed, give water to drink and get medical attention.

**Primary Route (s) of Entry:** Inhalation, skin contact.

## 6 Reactivity Data

|                          |  |
|--------------------------|--|
| Hazardous Polymerization | Cannot occur                               |
| Stability                | Stable                                     |
| Incompatibility          | Avoid contact with strong oxidizing agents |

## 7 Spill or Leak Procedures

Stop spill or leak at source. Contain spill if possible. Wipe up or absorb on suitable absorbent material and transfer into container.

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred. Contaminated absorbent material must be disposed of in accordance with local, state and federal regulations.

## 8 Protective Equipment

- **Eye Protection:** Wear safety glasses or chemical goggles to prevent eye contact.



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- **Skin Protection:** Wear impervious gloves and protective clothing to prevent skin contact.
- **Respiratory Protection:** No special respiratory protection is usually necessary. However, if operating conditions create high airborne concentrations, the use of a NIOSH/MSHA approved respirator is recommended.
- **Ventilation:** Use adequate ventilation to keep the airborne concentration of this material below recommended exposure level.

**Comments:** The information contained herein is believed to be accurate, but it is not warranted to be whether originating within the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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## 9 Special Precautions or Other Comments

Containers when emptied still contain product residues. All hazard precautions given in this data sheet must be observed.

## 10 Transportation Requirements

|                           |   |
|---------------------------|---|
| DOT Proper Shipping Name  | Not designated as a hazardous material by the Federal DOT |
| DOT Hazard Class          | Not Applicable  |
| DOT Identification Number | Not Applicable  |

## 11 Other Regulatory Information

### SARA Title III Section 311 Hazard Categorization:

|  |         |   |                |
|--|---------|---|----------------|
|  | Acute   |   | Pressure       |
|  | Chronic |   | Reactive       |
|  | Fire    | X | Not Applicable |

| Prepared By    | Date Prepared | Supersedes MSDS # |
|----------------|---------------|-------------------|
| Tim Mendelsohn | 04/25/91      | 5015B             |