



Material Safety Data Sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

AW HYDRAULIC OIL 22

MANUFACTURED FOR: RELADYNE
9707 S. 76TH AVENUE
BRIDGEVIEW, IL 60455
PHONE: (708) 599-8700
FAX: (708) 599-1040

CAS Registry Number Not applicable for mixtures
Chemical Family Petroleum hydrocarbon
Product Type Premium quality anti-wear hydraulic oil
Preparation/Revision Date 12/2012

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

| Component Name | CAS Number | OSHA PEL | ACGIH TLV | % (Optional) |
|----------------------------------|------------|---------------------|---------------------|--------------|
| Petroleum Lubricating Base Stock | 64742-54-7 | 5 mg/m ³ | 5 mg/m ³ | |
| Zinc Alkyl Dithophosphate | 68649-42-3 | NE | NE | |
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SECTION 3 HAZARDS IDENTIFICATION

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| Principal Hazard(s) | Contains petroleum oil. Avoid breathing mists or vapors. Avoid prolonged or repeated skin contact. |
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SECTION 4 FIRST AID MEASURES

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| Oral | DO NOT induce vomiting. Get immediate medical attention |
| Eye | Flush eye(s) with water for at least 15 minutes or until irritation subsides. Get medical attention if eye irritation develops or persists |
| Skin | Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before re-use. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. |
| Inhalation | Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If adverse effects are observed, remove exposed person to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If overexposed to oil mist, remove from further exposure until excessive oil mist subsides. |

SECTION 5**FIRE FIGHTING MEASURES**

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| Flash Point | 200 °C COC Typical |
| Upper Flammable Limit | Not Determined |
| Lower Flammable Limit | Not Determined |
| Extinguishing Media | Carbon Dioxide, dry chemical, water spray (fog) and foam. Note: water, water fog and foam may cause frothing and spattering. |
| Special Firefighting Procedures | Wear self-contained breathing apparatus. Avoid breathing fumes and vapors. Use water spray (fog) to cool containers exposed to high heat or open flames. |
| Unusual Fire and Explosion Hazards | Empty containers contain residue and/or vapors. DO NOT WELD, CUT, PRESSURIZE, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, SPARKS, FLAME, STATIC ELECTRICITY OR OTHER SUCH SOURCES OF IGNITION. Keep empty containers closed and dispose of in an environmentally safe manner and in accordance with all government regulations. |
| Autoignition Temperature | Not Determined |

SECTION 6**ACCIDENTAL RELEASE MEASURES**

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| Spill Procedures | Evacuate all non-essential personal. Personal Protective Equipment must be worn (see Personal Protection Section for PPE recommendations). Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Assure conformity with applicable Federal, state and local regulations. |
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SECTION 7**HANDLING AND STORAGE**

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| Handling Procedures | Keep away from potential sources of ignition. Avoid breathing vapors if present. Keep containers closed when not in use. Wash thoroughly after handling. Make sure that proper warning labels are affixed in accordance with 29 CFR 1910.1200. Use good personal hygiene around product. Do not smoke or eat around product. |
| Storage Procedures | Do not store near potential sources of ignition. Store in a well ventilated area. Store in a dry area. Do not store around food or eating areas. |

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

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| Ventilation Procedures | Use material in well ventilated areas only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. |
| Glove Protection | Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact. |
| Eye Protection | Safety glasses recommended. Use splash goggles or face shield when eye contact may occur. |
| Respiratory Protection | Under normal conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. |
| Clothing Recommendation | Use a chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact. |

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

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| Appearance | Yellow colored liquid | Vapor Pressure | Not Determined |
| Specific Gravity | 0.88 | Vapor Density (Air = 1) | Greater than 5 |
| Viscosity | Approx 22 cSt @ 40 °C | Evaporation Rate | Not Determined |
| Odor | Typical oil odor | Pour or Melting Point | -20 °F |
| pH | Essentially neutral | Boiling Point | IBP approximately 600 °F |
| Odor Threshold | Not Determined | Percent Volatile | None |
| Water Solubility | Negligible | Molecular Weight | Not Determined |

SECTION 10**STABILITY AND REACTIVITY**

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| Stability | Material is normally stable at room temperature and pressure. See the Handling and Storage Section for further details. |
| Incompatibility | Strong oxidizing agents. |
| Hazardous Polymerization | Will not occur. |
| Thermal Decomposition | Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion. |

SECTION 11**TOXICOLOGICAL INFORMATION**

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| Oral Toxicity | Not Determined. |
| Eye Irritation | Product contacting eyes may cause eye irritation. |
| Skin Irritation | May cause skin irritation. Prolonged or repeated contact may cause dermatitis. Symptoms may include redness, edema, drying, defatting and cracking of skin. |
| Dermal Toxicity | Not Determined. |
| Inhalation Toxicity | Not Determined. |
| Respiratory Irritation | If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. |
| Dermal Sensitivity | No data available to indicate product or components may be skin sensitizer. |
| Inhalation Sensitivity | No data given to indicate product or components may be respiratory sensitizer. |
| Chronic Toxicity | Not Determined. |
| Carcinogenicity | The components of this product has not been found to be a carcinogen under either NTP, IARC Monographs or current OSHA regulations. |
| Other | Under conditions which may generate mists, observe the OSHA PEL 5 mg/m ³ . |

SECTION 12**ECOLOGICAL INFORMATION**

No Data Given.

SECTION 13**DISPOSAL CONSIDERATIONS**

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|----------------------------------|----------------------|
| U. S. DOT Shipping Name | Not regulated by DOT |
| Hazard Class | Not applicable |
| DOT Identification Number | Not applicable |
| DOT Shipping Label | Not regulated by DOT |

SECTION 14**WASTE DISPOSAL INFORMATION**

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| WASTE DISPOSAL | This product is not considered a hazardous waste under RCRA regulations. After use, it is the responsibility of the user to determine the products status for disposal. This product can be incinerated, if practical, or recycled. |
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SECTION 15**REGULATORY INFORMATION**

| U. S. TSCA Inventory | All components of this product are listed on the TSCA Inventory. | | | | | | | | | | | | | | | |
|---|---|---------------------------------------|----------|------------|--|--|-------|---------|------|----------|------------|----|----|----|----|----|
| SARA 302 Threshold Planning Quantity | No RQ for product or any constituent greater than 1.0% or 0.1% (carcinogen). | | | | | | | | | | | | | | | |
| SARA 304 Reportable Qty | No RQ for product or any constituent greater than 1.0% or 0.1% (carcinogen). | | | | | | | | | | | | | | | |
| SARA 311 Categories | <table border="1"> <thead> <tr> <th colspan="5">EPA Hazard Classification Code</th> </tr> <tr> <th>Acute</th> <th>Chronic</th> <th>Fire</th> <th>Pressure</th> <th>Reactivity</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> </tr> </tbody> </table> | EPA Hazard Classification Code | | | | | Acute | Chronic | Fire | Pressure | Reactivity | No | No | No | No | No |
| EPA Hazard Classification Code | | | | | | | | | | | | | | | | |
| Acute | Chronic | Fire | Pressure | Reactivity | | | | | | | | | | | | |
| No | No | No | No | No | | | | | | | | | | | | |
| SARA 313 Supplier Notification | This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substances listed under SARA Section 313. | | | | | | | | | | | | | | | |
| CERCLA Hazardous Substances | No chemicals in this product are subject to the reporting requirements of CERCLA. | | | | | | | | | | | | | | | |

SECTION 16**OTHER INFORMATION**

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)
HEALTH = 1 FIRE = 1 REACTIVITY = 0 PP = B
Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme

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