

American Chemical Technologies, Inc.
485 E Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – PRODUCT IDENTIFICATION

Product Name: AW-220
Chemical Family: Lubricating Oil
DOT Hazard Classification: Not applicable

SECTION II – COMPONENTS

Chemical Name: Solvent Refined Heavy Paraffinic Oil
CAS#: 64741-88-4
Volume %: > 30%
OSHA PEL/ACGIH TLV: 5 mg/m³ Oil Mist
Section 313: No

Chemical Name: Severely Hydrotreated Heavy Napthenic Oil
CAS#: 64742-52-5
Volume %: < 20%
OSHA/PEL/ACGIH TLV: 5 mg/m³ Oil Mist
Section 313: No

Chemical Name: Solvent Refined Residual Oil (Petroleum)
CAS#: 64742-01-4
Volume %: < 50%
OSHA/PEL/ACGIH TLV: 5 mg/m³
Section 313: No

Chemical Name: Petroleum Lubricant Anti-wear Hydraulic Additive
CAS#: AM# 420350
Volume %: < 01%
OSHA/PEL/ACGIH TLV: Not established
Section 313: No

SECTION III – PHYSICAL DATA

Boiling Point: > 500 °F
Vapor Pressure (MM HG): < 0.1 @ 20 °C
Specific Gravity (H₂O = 1): > 0.87 @ 60 °F
Appearance: Clear dark amber liquid with lube oil odor
Viscosity, SUS @ 100 F: > 100 (> 20.5 CST @ 38 C)
Evaporation Rate: Not applicable

SECTION IV – FIRE AND EXPLOSION INFORMATION

Flash Point (Method Used): 350 °F Cleveland Open Cup

Flammable Limit: Not determined

LEL: N/A

UEL: N/A

Extinguishing Media: Use sand, dry chemical, foam, and CO² for extinguishing media.

Hazardous Decomposition Products: Incomplete combustion may cause carbon oxides.

Fire Fighting Procedures: Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

Unusual Fire & Hazardous Explosion Hazards: Mists or sprays could ignite at temperatures below the indicated flash point. Keep ignition sources, open flames, etc. away from these fumes.

NFPA Codes:

HEALTH – 1

FLAMMABILITY – 1

REACTIVITY – 0

SECTION V – HEALTH HAZARD DATA

Threshold Limit Value: 5 mg/m³ as oil mist (OSHA PEL, ACGIH)
10 mg/m³ (ACGIH STEL)

Effects of Overexposure:

Eyes: Moderate irritation and discomfort

Skin: Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

Inhalation: Moderate respiratory discomfort and/or headaches. Toxic systemic effects from inhalation are expected to be minor.

Ingestion: Gastrointestinal tract irritation and/or discomfort are possible.

First Aid:

If on Skin: Wash thoroughly with soap and water. If irritation or rash develops consult a physician.

If in Eyes: Flush eyes immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

If Ingestion: DO NOT induce vomiting – consult your physician.

If Inhalation: Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

SECTION VI – REACTIVITY DATA

Hazardous Polymerization: Will not occur

Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing materials

Hazardous Decomposition Products: Oxides of carbon, nitrogen, phosphorus, zinc and sulfur.

Conditions to Avoid: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

SECTION VII – SPILL OR LEAK PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled: Extinguish possible sources of ignition and ventilate spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other convenient means. DO NOT flush into sewers or natural waterways. Non-essential personnel should not enter area due to slipping hazards.

Waste Disposal Method: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters, and disposal sites.

SECTION VIII – PROTECTIVE EQUIPMENT TO BE USED

Respiratory Protection: Normally not required if adequate ventilation. Use NIOSH/MSHA approved respirators when vapors or mists concentrations exceed permissible exposure limits.

Ventilation: Normal

Local Exhaust: Normal

Mechanical Exhaust: General

Protective Gloves: Impervious gloves recommended.

Eye Protection: Safety glasses or splash goggles required.

Other Protective Equipment: None required

SECTION IX – SPECIAL PRECAUTIONS AND OTHER COMMENTS

Handling and Storage Recommendations: Do not cut or weld on empty containers. Avoid extremes of cold or heat. Store in a clean dry area.

Caution! Product can be made to burn. Treat as an OSHA Class III B Combustible Liquid. Acute and/or chronic overexposure to vapors and mists from this product may cause irritation to eyes, skin, and respiratory tract or aggravate preexisting conditions. Prolonged or repeated skin contact may defat the skin and cause dermatitis. Avoid breathing vapors or mists and contact with eyes or skin.

Prepared by: Aida B. Maxsam

Date Prepared: 04/27/94

Revision Date: 11/20/01

Supersedes: 02/06/97

The information contained herein has been compiled from sources considered to be dependable and is accurate to the best of our knowledge. We make no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof.