



MATERIAL SAFETY DATA SHEET

IDENTITY (As used on label and list): **MAG 1 R&O AW HYDRAULIC OIL ISO 46**

PRODUCT CODE: **MG424622, MG42465G, MG424655**

NFPA Hazard Identification 0 – Least 1 – Slight 2– Moderate 3 – High 4 - Extreme

Health: 0

Fire: 1

Reactivity: 0

Section I - General Information

Warren Distribution, Inc.
2849 River Road
Council Bluffs, IA 51501
Information (402) 341-9397

Emergency (402) 677-1331 Chemtrec (800) 424-9300 Reviewed: **04/29/03**

Section II - Composition/Information on Ingredients

COMPONENT NAME	%	CAS	OSHA PEL	ACGIH TLV
Lubricating Oil Base Stock	94-104	MIXTURE	5mg/m3*	5mg/m3*

* Numbers are for oil mist.

NON-HAZARDOUS INGREDIENTS

No IARC, NTP, OSHA and ACGIH listed carcinogens.

Section III - Hazards Identification

EYE CONTACT: Contact with eyes may cause eye irritation.

SKIN CONTACT: Prolonged or repeated contact may result in skin irritation or dermatitis.

INHALATION: Breathing oil mist in concentrations that exceed the TLV and PEL may result in respiratory discomfort and irritation.

INGESTION: Although this product is not expected to be acutely toxic, aspiration of liquid into the lungs during ingestion or vomiting may cause chemical pneumonitis.

CARCINOGENICITY: This product has not been classified as a carcinogen or probable carcinogen by OSHA, NTP, or IARC.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: May cause skin, eye, or respiratory irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None recognized

OTHER HEALTH INFORMATION: None

Section IV - First Aid Procedures

EYE CONTACT: If splashed into eyes, flush with water for 15 minutes or until irritation subsides. Get medical attention if irritation persists.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

INHALATION: If overcome by vapor from hot product, immediately remove victim to fresh air. If breathing has stopped, administer artificial respiration. Call for medical attention. If overexposed to oil mist, remove from further exposure.

INGESTION: DO NOT induce vomiting, call medical attention immediately.

Section V - Fire and Explosion Hazard Data

Flash Point (deg F): > 420 Method Used: COC

Flammable or Explosive Limits (approximate % by volume in air) LEL: n/a UEL: n/a

EXTINGUISHING MEDIA: Use water spray, dry chemical, foam, or carbon dioxide. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus may be required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

Section VI - Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Add sand, earth, or other suitable absorbent to spill area. Keep product out of sewers and waterways by damming or impounding.

Section VII - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place with adequate ventilation. Do not expose to extreme temperatures or flames.

OTHER PRECAUTIONS: None

Section VIII - Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed space, if needed.

VENTILATION: Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.

PROTECTIVE GLOVES: Use neoprene gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION: Wear goggles if there is likelihood of contact with eye(s).

OTHER PROTECTIVE EQUIPMENT: Use neoprene apron or other clothing, if needed, to avoid prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS: Keep containers closed when not in use.

PERSONAL HYGIENE: Wash skin thoroughly after contact, before breaks and meals, and at the end of the work period. Thoroughly clean contaminated clothing, including shoes, before re-use.

Section IX- Physical/Chemical Characteristics

Boiling Point (deg F): n/a Specific Gravity (H₂O=1): .87 Vapor Pressure (mm Hg): n/a
Melting Point (deg F): -5 Vapor Density (Air=1): n/a Solubility in Water: Insoluble
Evaporation Rate (n-butyl Acetate=1): n/a

APPEARANCE AND ODOR: Light amber liquid, mild petroleum odor.

Section X - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, aldehydes, and other petroleum decomposition products. Oxides of sulfur, phosphorus, calcium, zinc, and hydrogen sulfide may also be present.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None

Section XI - Toxicological Information

See Section IV

Section XII - Ecological Information

Section XIII - Disposal Considerations

WASTE DISPOSAL METHOD: Place in an appropriate disposal facility in compliance with local regulations.

Section XIV - Transport Information

NOT A REGULATED ITEM ACCORDING TO DOT.

Section XV-Regulatory Information

SARA SECTION 313: This product contains 0-5.5% polycyclic aromatic compounds.

WHMIS classification for product: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we received from sources outside our company and we believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.