

TRADE NAME: Duro-Vis\ Lubricating Oil

DATE: May 2013  
(REVISED)

I. PRODUCT IDENTIFICATION

Name/Synonym: Pump Lubricating Oil

Part Number: MA 78-A

Mark Andy, Inc.  
18081 Chesterfield Airport Rd.  
Chesterfield, MO 63005

Company Phone: (US)800-225-4835 (CAN)800-387-3143  
Emergency Phone: Chemtrec (800)424-9300

II. INGREDIENTS - Confidential Information for Safety/Health Use Only  
(ALL EXPOSURE LIMITS ARE PPM UNLESS OTHERWISE NOTED)

Chemical Name	CAS#	OSHA PEL	ACGIH, TLV, TWA	NIOSH, EXPOSURE LIMITS	STEL	NTP, IARC OSHA CARCINOGEN	WT %
Solvent Refined, Hydro-treated, heavy					(10mg/m3) B		
paraffinic distillate	64742-54-7	5mg/m3	5mg/m3	5mg/m3*		No	97-98
minor additives**	N/E	N/E	N/E	N/E		N/E	< 3

\* as oil mist, mineral  
\*\* non-hazardous as defined in 29CFR 1910.1200.

III. PHYSICAL PROPERTIES

Boiling Point (°F): N/E  
Vapor Pressure (mmHg): N/E  
Vapor Density (Air=1): N/A  
Solubility in Water: < 2 %  
Appearance/Odor: Light Colored Oil  
Very Slight Odor

Specific Gravity (H2O=1): 0.87  
Melting Point: -25oF  
Evaporation Rate  
(butyl acetate=1): N/A  
pH: N/A

IV. FIRE AND EXPLOSION HAZARD

Flash Point: 380°F PMCC  
Extinguishing Media: Water fog, foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and can be re-ignited on surface of water.  
Special Fire Fighting Procedure: NIOSH approved self-contained breathing apparatus.  
Unusual Fire/Explosion Hazards: None; an OSHA Class III B combustibile liquid.

N/A = Not Applicable  
N/E = Not Established

V. REACTIVITY DATA

Stability: Stable                      Conditions to Avoid: Heat and Open Flame  
Incompatibility, Materials to Avoid: Strong oxidizing materials.  
Hazardous Decomposition Products: Thermal decomposition products  
are dependent on the combustion conditions. A complex mixture of  
airborn solid, liquid, particulates and gases will evolve when this  
material undergoes pyrolysis or combustion. Carbon monoxide and  
other unidentified compounds may be formed upon combustion.  
Hazardous Polymerization: Will not occur.

VI. SPILL OR LEAK PROCEDURE/WASTE DISPOSAL

Pick up with absorbent material such as towels or "Spill Tamer".  
Prevent spills from entering surface waters or the sewer.  
Dispose of in accordance with EPA and local regulations for oil.

VII. HEALTH HAZARD DATA

- A) Routes of entry, signs and symptoms of overexposure, acute and chronic effects.  
    Eye: Very slight irritation from mist.  
    Skin: Prolonged or frequently repeated contact may cause irritation of hair follicles, and block sebaceous glands, resulting in a rash, acne, or dermatitis.  
    Inhalation: Negligible unless heated or misted; misted oil may irritate mucous membranes.  
    Ingestion: No more than slightly toxic if swallowed.  
    Target Organs: eyes, skin, respiratory system.
- B) Carcinogenicity: Not found in NTP, IARC or OSHA studies.
- C) Medical conditions generally aggravated by normal exposure:  
    Pre-existing skin and respiratory disorders may be aggravated by exposure to this product.
- D) Emergency and First Aid  
    Eye: Flush with running water, including under eyelids.  
    Skin: Remove contaminated clothing. Wash with soap & water.  
    Inhalation: If excess fumes or mist, move to fresh air.  
    Ingestion: Do not induce vomiting. Get medical help.

VIII. SPECIAL PROTECTION INFORMATION

Respiration Protection: Not required under ordinary use.  
Ventilation - Local Exhaust: Only for severe mist.    Other: N/A  
Protective Gloves: Neoprene            Eye Protection: Splash danger  
Other Protection: Eye wash station for splashes into eyes. Wash hands after use.

IX. SPECIAL PRECAUTIONS

Handling and Storage: Store below 120°F in closed containers.  
Keep away from oxidizing agents. Minimize skin contact.  
Other: Read and follow label precautions. Do not reuse container.  
For Commercial/Industrial use only. Keep from reach of children.

X. ENVIRONMENTAL DATA

This product is classified as an oil under Section 311 of the Clean Water Act. Spills entering (A) surface waters or (B) any watercourses or sewers entering/leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

Hazardous Substance (40 CFR 372: SARA Sec. 313)

None

Reportable Quantity (40 CFR 355: SARA Sec. 302)

None

Hazardous Substance (40 CFR 302: CERCLA Table 302.4)

None

RCRA Waste Number

None. See note above

Volatile Organic Compounds

7.3 lbs./ gallon or 874.8 grams/liter (calculated)

SARA Hazard Class

Acute: no Chronic: no Fire: yes Pressure: no Reactivity: no

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HMIS Rating

Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B  
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XI. DOT SHIPPING INFORMATION

Surface: Not Regulated

Air: Not Regulated

Proper Shipping Name: N/E

UN N/E Class N/E

Labels: None Required

NOTE

The chemicals in this product are listed on the TSCA inventory.

XII. DISCLAIMER

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. Mark Andy, Inc. believes that the information contained herein is current as of the revision date of this MSDS. Since the conditions of use of this product are beyond the control of Mark Andy, Inc., it is the obligation of the user to determine the conditions for safe use.