



MATERIAL SAFETY DATA SHEET

ARG PRODUCT CODE: H44-7360

ROOTS® METER OIL

H.V.I. R&O AW ISO VG 15

1. MANUFACTURER INFORMATION

COMPANY: AMERICAN REFINING GROUP, INC. (ARG)
LOCATION: 77 N. KENDALL AVENUE
BRADFORD, PENNSYLVANIA 16701
(814) 368-1297
CHEMTREC 1-800-424-9300 (U.S. and Canada)

EMERGENCY TELEPHONE NUMBER:
TRANSPORTATION EMERGENCY:

NFPA 704M:

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: 0
0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme



2. CHEMICAL AND PHYSICAL PROPERTIES

Chemical Name: Petroleum Hydrocarbon plus Additives

Formula: Not Applicable

Hazardous Decomposition Products: Carbon Monoxide and Carbon Dioxide from burning.

Incompatibility (Keep away from): Strong Oxidizers such as Hydrogen Peroxide, Bromine and Chromic Acid.

<u>Product Component(s)</u>	<u>CAS NO</u>	<u>% (Volume)</u>
Severely Hydrotreated and Hydrocracked Base Oil	72623-86-0	95 – 98
Neutral Oil	n/a	1 – 5
Additives	Proprietary Blend*	1 – 5
Arsenic	7440-38-2	<0.1
Lead	7439-92-1	<0.1
Ethyl Acrylate	140-88-5	<0.1
Cadmium	7440-43-9	<0.1

Form: Liquid

Appearance: Liquid

Specific Gravity (water=1): 0.87

Melting Point: Less than -45°C (-49°F)

Evaporation Rate: Not Determined

Vapor Density (air=1): Not Volatile

Stability: Product is stable under normal conditions

Odor: Bland

Color: Red

Boiling Point: Greater than 330°C (625°F)

Solubility in Water (by weight %): 0 at 20°C

Vapor Pressure (mm Hg at 20°C): 0

pH (as is): Not Applicable

Viscosity SUS at 100°F: Less than 100

3. FIRE FIGHTING MEASURES

Special fire Fighting Procedures: Do not use water except as fog.

Unusual Fire and Explosion Hazards: Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.

Flashpoint: (Method Used) Cleveland Open Cup Greater than 135°C (275°F)

Flammable Limits %: Not Applicable

Extinguishing Agents: Dry Chemical or Waterfog or CO₂ or Foam. Closed containers exposed to fire may be cooled with water.

4. HEALTH HAZARD DATA

Permissible Concentrations (air): see COMMENTS section

Chronic Effects of Overexposure: No Data Available

Acute Toxicological Properties: No Data Available

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

If Swallowed: Contact a physician immediately. DO NOT induce vomiting. (Vomiting may cause aspiration into lungs resulting in chemical pneumonia).



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5. SPECIAL PROTECTION INFORMATION

Ventilation Type Required (Local, mechanical, special): see COMMENTS section

Respiratory Protection (Specify type): Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

Protective Gloves: Neoprene Type

Eye Protection: Chemical Safety Goggles

Other Protective Equipment: None

6. HANDLING OF SPILLS OR LEAKS

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand or vermiculite. Sweep up and dispose as solid waste in accordance with local, state and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

7. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storage: Do not handle or store at temperatures over 60°C (140°F).

Maximum Storage Temperature: 60°C (140°F)

8. TRANSPORTATION DATA

D.O.T.: Not Regulated

Reportable Quantity: Not Applicable

Freight Classification: Petroleum Lubricating Oil

Special Transportation Notes: None

9. ENVIRONMENTAL/SAFETY REGULATIONS

Section 313 (Title III Superfund Amendment and Reauthorization Act): This product does not contain any chemical in sufficient quantity to be subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

WARNING: This Product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

COMMENTS

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

All components of this product are on the US TSCA Inventory and Canadian Domestic Substance List.

*The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

Prepared by: Monica C. Mathers

Title: Compliance Coordinator

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