



Arpol Petroleum Company

Mailing Address: P.O. Box 3087 • Conroe, Texas 77305 • USA

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MATERIAL SAFETY DATA SHEET

SECTION I – SUPPLIER AND OTHER INFORMATION

Supplier Information

Product: Arpolav 23699 – MIL-PRF-23699C/I or STD

Name: Arpol Petroleum

Address: 9733 Meador RD

City: Conroe

State: Texas 77303

Telephone Number: (936) 228-0865

Other Information

Date Prepared: 08/28/09

Product Use: Formulated lubricant

SECTION II – INGREDIENTS/IDENTITY INFORMATION

Listed below are those components required to be identified by Federal law. Other components may be present at less than 1%.

<u>Components</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>CAS #</u>
Pentaerythritol ester of caprylic, capric, heptanoic and isopentanoic acids	None listed	None listed	68130-51-8
Tricresyl phosphate	None listed	None listed	1330-78-5
Confidential	None listed	None listed	N/A
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Arpol recommends a TLV of 5 mg/m³ as a precautionary measure.

All components of this product are listed on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity (H₂O=1): 0.99 @ 15 deg C

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air=1): N/A

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Water @ 25 deg. C: <0.1%

Appearance and Odor: Clear oily liquid, low odor

Other Information: N/A

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >250 deg. C minimum (COC)

Flammable Limits: LEL unknown UEL unknown

Extinguishing Media

Foam, CO₂, dry chemical. Use water spray to cool surface of container.

Special Firefighting Procedures

Use self-contained breathing apparatus, avoid breathing fumes, vapors, or mists. Water may cause frothing.

Unusual Fire and Explosion Hazards: None

Other Information: Avoid contact with fire and sparks.

SECTION V – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: High temperatures

Incompatibility (Materials to Avoid): Strong acids or strong bases

Hazardous Decomposition or Byproducts: CO, CO₂, oxides of phosphorus

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

Other Information: None

SECTION VI – HEALTH HAZARD DATA

Routes of Entry: Inhalation, skin contact and/or ingestion

Health Hazards (Acute and Chronic): May be an eye, skin or respiratory irritant. Based on presence of tricresyl phosphate, exposure over time may cause neurological disturbances which may progress to delayed neurotoxicity characterized by ataxia and tremors.

Carcinogenicity: No

Signs and Symptoms of Exposure: Delayed neurotoxicity is characterized by tremors and ataxia.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures

Eye Contact: Flush with water for 15 minutes. See physician.

Skin Contact: Wash with soap and water thoroughly. See physician if necessary. Remove contaminated clothing.

Other Information

Ingestion: Do not induce vomiting. Drink plenty of water. Do not give anything to an unconscious victim. See physician if necessary.

Inhalation: Remove to fresh air. See physician if necessary.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Dike or contain spill. Apply absorbent. Put in container, close container. Prevent from going into sewer and waterways. Notify proper authorities.

Water Disposal Method: Free liquids may not be landfilled. Recover and/or incinerate liquids where possible. Obey local, state and Federal regulations.

Precautions to be Taken in Handling or Storage: For industrial use only. Store in a cool dry place.

Other Precautions: N/A

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Use NIOSH approved organic vapor cartridge respirator.

Ventilation – Local Exhaust: Yes **Mechanical (General) Exhaust:** Yes

Protective Gloves: Neoprene

Eye Protection: Chemical Splash Goggles

Other Protective Clothing or Equipment: Neoprene apron. Long sleeved shirt and pants. Safety shoes, hard hat. Safety shower and eyewash station.

Work/Hygienic Practices: Wash with soap and water after contact. Avoid ingestion. Practice good personal hygiene.

Other Information: N/A

SECTION IX – ADDITIONAL INFORMATION

The information contained herein has been compiled from data published in the literature. Specific references are available on request. Arpol Petroleum expressly disclaims liability for any injury or loss from the use of this information or the materials described. This data is believed to be reliable, but certain values may vary from source to source. This data is not to be construed as absolutely complete. It is the responsibility of the user to determine the best precautions necessary for his/her application. This data only refers to the specific material designated and not to any combinations.