

# MATERIAL SAFETY DATA SHEET

## TRIPLEX PLUNGER PUMP OIL - 16 OZ - AR64516

### CRANKCASE PUMP OIL

<b>IDENTIFICATION OF THE SUBSTANCE OR PREPARATION:</b>	Crankcase Oil
<b>COMPANY IDENTIFICATION:</b>	AR North America
<b>ADDRESS:</b>	140 - 81st Avenue NE Fridley, MN 55432

### HAZARDOUS IDENTIFICATIONS:

<b>WARNING:</b>	- MAY CAUSE EYE IRRITATION - MAY CAUSE SKIN IRRITATION
<b>EYE CONTACT:</b>	Direct contact may cause irritation, redness, tearing and blurred vision.
<b>SKIN CONTACT:</b>	Avoid prolonged skin contact. This product contains materials that may cause skin irritation. Prolonged or repeated contact may result in dermatitis (dryness, chapping and reddening of skin).
<b>INHALATION:</b>	Overexposure by inhalation of hot or misted material may cause nonspecific discomfort, such as nausea, headache, or weakness. Caution should be taken to prevent aerosolization or misting of this product without proper respiratory protection.
<b>INGESTION:</b>	Do not ingest. Product is expected to be relatively non-toxic unless lung aspiration occurs. Aspiration is not expected with this material due to viscosity (thickness). Should aspiration occur, may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration. This product has laxative properties and may result in abdominal cramps and diarrhea.

### FIRST-AID MEASURES:

<b>SKIN CONTACT:</b>	Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. Wash contaminated clothing before reuse.
<b>EYE CONTACT:</b>	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists. If material is hot, treat for thermal burns and take victim to hospital immediately.
<b>INGESTION:</b>	Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs keep head below hips to prevent aspiration and monitor for breathing difficulty. Gastric lavage should be performed only by qualified medical personnel. Keep affected person warm and at rest. Seek immediate medical attention.
<b>INHALATION:</b>	If overcome by inhalation of hot or misted vapors, remove to fresh air. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

### FIRE-FIGHTING MEASURES:

<b>FLASH POINT:</b>	>198°C (389°F) ASTM D 92 (COC).
<b>EXTINGUISHING MEDIA:</b>	Use water spray, dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire.
<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	- Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.

# MATERIAL SAFETY DATA SHEET (CONT)

## TRIPLEX PLUNGER PUMP OIL - 16 OZ - AR64516

	- Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.
	- Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.
<b>BYPRODUCTS OF COMBUSTION:</b>	Fires involving this product may release oxides of carbon, nitrogen and sulfur; reactive hydrocarbons and irritating vapors.
<b>EXPLOSION DATA:</b>	Not determined. Care should always be exercised in dust/mist areas.

### ACCIDENTAL RELEASE MEASURES:

<b>SPILL CONTROL PROCEDURES (LAND):</b>	Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities.
<b>SPILL CONTROL PROCEDURES (WATER):</b>	Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard).
<b>WASTE DISPOSAL METHOD:</b>	Most oil based products are incinerated, land-filled or reclaimed. All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section Transport Information.
<b>OTHER:</b>	CAUTION – If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

### HANDLING AND STORAGE:

<b>HANDELING PROCEDURES:</b>	Keep containers closed when not in use. Do not transfer to unmarked containers. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 – Flammable and Combustible Liquids. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.
<b>STORAGE PROCEDURES:</b>	- For handling hot/heated material, wear proper insulated protective equipment to prevent risk of oil burns.  - Do not store containers outside due to temperature fluctuations – risk of drawing water into product through container seals due to cap and fluid expansion and contractions.

### EXPOSURE CONTROLS/PERSONAL PROTECTION:

<b>PERSONAL PROTECTION:</b>	Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.
<b>RESPIRATORY PROTECTION:</b>	None required if airborne concentrations are maintained below threshold limits of 8-hour work shifts of a 40 hour work week which shall not be exceeded.. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air purifying respirator.

# MATERIAL SAFETY DATA SHEET (CONT)

## TRIPLEX PLUNGER PUMP OIL - 16 OZ - AR64516

<b>EYE PROTECTION:</b>	Eye protection is strongly recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).
<b>HAND PROTECTION:</b>	Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption. For handling hot material, wear impervious insulated gloves and keep all skin areas covered.
<b>OTHER PROTECTION:</b>	Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization and absorption. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated.
<b>LOCAL CONTROL MEASURES</b>	Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored.
<b>OTHER:</b>	Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating.

### STABILITY AND REACTIVITY:

<b>STABILITY:</b>	Material is stable at room temperatures and pressure.
<b>CONDITIONS TO AVOID:</b>	Avoid high temperatures and product contamination.
<b>INCOMPATIBILITY WITH OTHER MATERIALS:</b>	Avoid contact with acids and oxidizing materials.
<b>DECOMPOSITION PRODUCTS:</b>	Smoke, carbon monoxide and dioxide, and other aldehydes of incomplete combustion. Oxides of carbon, nitrogen and sulfur; reactive hydrocarbons and irritating vapors.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

### TOXICOLOGICAL INFORMATION:

<b>INHALATION TOXICITY:</b>	On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptotic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Based on data from similar materials.
<b>DERMAL SENSITIZATION:</b>	Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.
<b>CHRONIC TOXICITY:</b>	Not determined.
<b>CARCINOGENICITY:</b>	The components of this material are not known to be carcinogenic by IARC. NTP, OSHA or ACGIH as known or suspect carcinogens due to material's degree of refining. See Section Toxicological Information – Other
<b>OTHER:</b>	These products may contain petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B)

### ECOLOGICAL INFORMATION:

<b>ENVIRONMENTAL TOXICITY:</b>	This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
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# MATERIAL SAFETY DATA SHEET (CONT)

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### DISPOSAL CONSIDERATIONS:

<b>WASTE DISPOSAL:</b>	Under RCRA it is responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas – but still needs to be disposed of at approved facilities. Waste management should be in full compliance with federal, state, and local laws.
<b>DISPOSAL CONSIDERATIONS:</b>	Most used and non-use oils are incinerated by licensed burner facilities for heat value, or reclaimed by oil recycling services. Look in a local telephone directory or internet for headings under, 'Waste', 'Waste Services', 'Waste Disposal' for companies licensed to handle such material. Additional information can be obtained from local EPA, DNR, Sewer and Land-Fill sites. Unused, packaged fluids may be donated to other companies or charities (fluids MUST be unused).
<b>OTHER:</b>	The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state, and local regulations.

### TRANSPORT INFORMATION:

<b>U.S. DOT SHIPPING DESCRIPTION:</b>	Not regulated
<b>U.S. DOT IDENTIFICATION NO.:</b>	Not applicable
<b>U.S. DOT HAZARD CLASSIFICATION:</b>	Not applicable
<b>OTHER:</b>	Combustible materials are not regulated for transportation in "non-bulk" packaging.

*THIS DOT DESCRIPTION IS PROVIDED TO ASSIST IN THE PROPER CLASSIFICATION OF THIS PRODUCT AND MAY NOT BE SUITABLE FOR ALL SHIPPING CONDITIONS.*

### REGULATORY INFORMATION:

<b>CLEAN WATER ACT/OIL POLLUTION ACT:</b>	Under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spill or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802.
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*THIS PRODUCT CONTAINS ZINC, A CLEAN WATER ACT PRIORITY POLLUTANT.*

<b>TSCA:</b>	All components of this material are listed in the U.S. TSCA Inventory.
<b>OTHER TSCA:</b>	Not applicable
<b>SARA TITLE III:</b>	Section 302/304 extremely hazardous substances:

*THIS PRODUCT DOES NOT CONTAIN GREATER THAN 0.1% OF ANY CHEMICAL SUBSTANCE LISTED UNDER SECTIONS 302/304.*

#### SECTION 311, 312 HAZARD CATEGORIZATION:

**ACUTE (IMMEDIATE HEALTH EFFECTS): NO**

**CHRONIC (DELAYED HEALTH EFFECTS): NO**

**FIRE (HAZARD): NO**

**REACTIVITY (HAZARD): NO**

**PRESSURE (SUDDEN RELEASE HAZARD): NO**

# MATERIAL SAFETY DATA SHEET (CONT)

## TRIPLEX PLUNGER PUMP OIL - 16 OZ - AR64516

### SECTION 313 TOXIC CHEMICALS:

**ZINC DIALKYL DITHIOPHOSPHATE**

**(CAS 68649-42-3) 1.7% WT.**

**CERCLA:** For stationary/moving sources – reportable quantity (due to):

**EXEMPT DUE TO PETROLEUM EXCLUSION.**

**OTHER:** A release of this product, as supplied, is exempt from reporting under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) by the petroleum exclusion. However, releases may be reportable to the Nation Response Center under the Clean Water Act, 33 U.S.C. 1321(b)(3) and (5) – see head of Section 13. Failure to report may result in substantial civil and criminal penalties.

Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

### OTHER INFORMATION:

	NFPA 704	NPCA-HMIS	Key
<b>HEALTH:</b>	1	1	0= Minimal
<b>FIRE:</b>	1	1	1= Slight
<b>REACTIVITY:</b>	0	0	2= Moderate
<b>SPECIFIC HAZARD:</b>	None	N/A	3= Serious
<b>PROTECTION INDEX:</b>	N/A	B	4= Severe
<b>PRECAUTIONARY LABELS:</b>	- MAY CAUSE EYE IRRITATION		
	- MAY CAUSE SKIN IRRITATION		
<b>EXTERNAL INFORMATION:</b>	This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used. A.R. North America must rely upon information provided by those materials manufacturers or distributors.		
<b>CREATION DATE:</b>	03/18/2015		
<b>FILE:</b>	Annovi Crankcase (0199)		
<b>VERSION:</b>	IV		

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