

SAFETY DATA SHEET

Prepared according to GHS

SECTION 1: IDENTIFICATION

Product name: METER OIL – Red, High VI, R&O, AW, ISO VG 15

Product code: 129993

Recommended use: HVI anti-wear lubricant for year around protection of gear driven motors

Company name: Toronto Lube Service

Address: 3175 14th Avenue
Markham, Ontario, Canada, L3R-0H1

e-mail: customerservice@torontolube.com

Emergency phone number: Toronto Lube Service +1 905 479-8444
Poison Control Centre: Consult local telephone directory for emergency number(s).

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification: Aspiration hazard Category 1

GHS Label Elements:



Signal word: Danger !

Hazard statement: May be fatal if swallowed and enters airways.

Precautionary statements:

Prevention	Observe good industrial hygiene practices.
Response	If swallowed, immediately call a poison center/doctor. Do NOT induce vomiting.
Storage	Store in accordance with local/regional/national regulations.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS number	%
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	25 - 35%
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	15 - 35%
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	20 - 50%

SECTION 4: FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin Contact: Rinse skin with soap and water. Get medical attention if irritation develops and persists.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed: Aspiration may cause pulmonary edema and pneumonitis.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical powder. Carbon dioxide (CO₂). Water fog. Foam.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this may spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in the case of fire.

Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk.

Specific methods: Use standard fire-fighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Material can create slippery conditions. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up: The product is immiscible in water and will spread on the water surface.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place in containers. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Methods and materials for containment and cleaning up: Avoid discharge to drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (section 10 of the SDS).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	TWA (Mist)	5 mg/m ³	CA AB OEL
		STEL (Mist)	10 mg/m ³	CA AB OEL
		TWAEV (Mist)	5 mg/m ³	CA QC OEL
		STEV (Mist)	10 mg/m ³	CA QC OEL
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	TWA (Mist)	5 mg/m ³	CA AB OEL
		STEL (Mist)	10 mg/m ³	CA AB OEL
		TWAEV (Mist)	5 mg/m ³	CA QC OEL
		STEV (Mist)	10 mg/m ³	CA QC OEL
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
Distillates petroleum, hydrotreated light Paraffinic	64742-55-8	TWA (Mist)	5 mg/m ³	CA AB OEL
		STEL (Mist)	10 mg/m ³	CA AB OEL
		TWAEV (Mist)	5 mg/m ³	CA QC OEL
		STEV (Mist)	10 mg/m ³	CA QC OEL
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH

Engineering measures: No special ventilation requirements. Good ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment:

Respiratory protection: Use respiratory protection unless adequate local exhaust is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type: Organic vapour filter

Hand protection: Material - Neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).
Remarks - Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection:	Wear safety glasses. For abnormal processing problems wear a face-shield.
Skin and body protection:	Normal work gloves are appropriate. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures:	Wash contaminated clothing before re-use.
Hygiene measures:	Remove and wash contaminated clothing and gloves, including the inside and re-use. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid
Colour:	Clear and bright
Odour:	Slight petroleum oil like
Odour threshold:	No data available
pH:	Not Applicable
Pour point:	- 42 °C (- 44 °F)
Boiling point/Boiling range:	No data available
Flash Point:	150 °C (302 °F), Cleveland Open Cup
Fire point:	No data available
Auto-Ignition Temperature:	No data available
Evaporation Rate:	No data available
Flammability:	Low fire hazard. This material must be heated before ignition will occur.
Upper/Lower explosion limit:	No data available
Vapor Pressure:	0 (kPa @ 20 °C)
Relative Vapor Density:	No data available
Density:	0.710 (lbs/gal)
Specific Gravity:	0.852 kg/l (15 °C / 59 °F)
Water solubility:	Insoluble
Partition Coefficient (n-octanol/water):	No data available
Decomposition Temperature:	No data available
Kinematic Viscosity:	14.5 cSt (40 °C mm ² /s)
Explosive Properties:	Do not pressurize, cut weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 10: STABILITY AND REACTIVITY

Possibility of hazardous reactions:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to Avoid:	High temperatures and contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents, reducing agents and acids.
Hazardous Decomposition Products	May release carbon monoxide, carbon dioxide, smoke and irritating vapours when heated to decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:	Prolonged Inhalation may be harmful.
Skin Contact:	No adverse effects due to skin contact are expected.
Eye Contact:	Direct contact with eyes may cause temporary irritation.
Ingestion:	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Aspiration may cause pulmonary edema and pneumonitis.

Information on toxicological effects:

Acute Oral Toxicity: No data available
Acute Inhalation Toxicity: No data available
Acute Dermal Toxicity: No data available

Components:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
 Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
 Exposure time: 4 hr
 Test atmosphere: dust/mist
 Acute dermal toxicity : LD50 (Rabbit): >2,000 mg/kg

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
 Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l
 Exposure time: 4 hr
 Test atmosphere: dust/mist
 Acute dermal toxicity : LD50 (Rabbit): >2,000 mg/kg

Distillates (petroleum), hydrotreated light paraffinic

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
 Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l
 Exposure time: 4 hr
 Test atmosphere: dust/mist
 Acute dermal toxicity : LD50 (Rabbit): >2,000 mg/kg

Skin corrosion / Irritation: Prolonged skin contact may cause temporary irritation.
Serious eye damage/Irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization: Not a respiratory or skin sensitizer.
Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: No data available to indicate product or any components present at greater than 0.1% carcinogenic.
Reproductive toxicity: No data available to indicate product or any components present at greater than 0.1% cause reproductive toxicity.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product:	Toxicity to fish	No data available
	Toxicity to Daphnia and other aquatic invertebrates.	No data available
	Toxicity to algae	No data available
	Toxicity to bacteria	No data available

Persistence and degradability: No data available on the degradability of this product.

Mobility in soil: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products:
 Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging:
 Since emptied containers may contain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

International Regulations:
IATA - DGR: Not regulated as dangerous goods.
IMDG-Code: Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
 Not applicable for products as supplied.

National Regulations:
TDG: Not regulated as a dangerous good

SECTION 15: REGULATORY INFORMATION

WHMIS Classification: Aspiration Hazard Category 1

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SARA Extremely Hazardous Substances (Sections 302 & 304):
 This product does not contain greater than 1% of any “extremely hazardous substances” listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA Section 313 This product does not contain greater than 1.0% of the substances 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.

SARA Section 311 & 312 Classifications:

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA This product does not contain any “hazardous substances” listed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

California Prop 65 This product is not routinely tested to determine chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components.

International Inventories:

Country of Origin	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Australia	Australia Inventory of Chemical Substances (AICS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and Puerto Rico:	Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION
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US NFPA Ratings:

Health	Fire	Reactivity
1	1	0

HMS Ratings:

Health	Fire	Physical Hazards
1	1	0

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.