

Material Safety Data Sheet

1

GENERAL

PRODUCT NAME	EP METAL FORMING LUBRICANT
PRODUCT CODE	FBOCRL
SUPPLIER	Glenveigh Distribution Inc PO Box 44145, Bedford, Nova Scotia B4A 3X5 Tel: (902) 864 1200
Emergency Telephone Number	1 866 314 1200
Product Type	Petroleum Hydrocarbon
Application	Product supplied for use in metal forming & protection only.
WHMIS Classification	Not controlled.

2

COMPOSITION/INFORMATION ON INGREDIENTS

General	A blend of rust inhibiting, anti-corrosive additives plus proprietary anti-wear and EP package. The manufacturer & supplier considers these additive packages to be confidential information and is withheld as permitted by 29CFR 1910.1200.
Hazardous Ingredients	This product contains no hazardous ingredients.
CAS Number	Not applicable for mixtures and blends.

3

PHYSICAL & CHEMICAL DATA

Color	Light Amber	Odor	Petroleum Odour
Density (lbs/gall)	7.17	Flash Point (COC)	>145°C/293°F
Specific Gravity (water=1)	0.972	Solubility in Water	Not Soluble
Vapour Pressure @20°C / 68°F	< 0.5mm Hg	Viscosity cSt @ 40°C / 104°F	23.9
Physical State	Liquid	Boiling Point	N.D.
VOC	Not Applicable		

These properties/values are typical only & do not constitute a specification.

Upper Flammable Limit	Not determined	
Flash Point (COC)	>145°C/293°F	Auto Ignition Point >250 °C / 482 °F
Extinguishing Media:	Small fire -Use dry chemical powder. Large Fire - use water spray, fog or foam. Do not use water jet. Avoid spraying water directly into storage containers due to danger of water boil-over.	
Fire & Explosion Hazards	Smoke, carbon monoxide, carbon dioxide and traces of oxide. Flammable in presence of open flames, sparks or static discharge. Slightly flammable in the presence of temperatures at or above flash point.	
Special Firefighting Procedures	Do not use forced stream as this could cause fire to spread. For fires involving this material do not enter any enclosed or confined space without proper protective equipment. Firefighters should use NIOSH/MSHA approved self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. Drums and containers exposed to fire should be cooled with water.	
NFPA Rating²		
<u>Hazard Rating</u>	<u>nfpa/hmis classification</u>	
0=Least	Health	- 1/1
1=Slight	Fire	- 1/1
2=Moderate	Reactivity	- 0/0
3=High	Personal Protection Index	- B
4=Extreme	Instability	- 0/0

Stability & Reactivity	This product is stable.
Hazardous Decomposition	Fumes, smoke and carbon monoxide and sulphur oxides in case of incomplete combustion.
Incompatible Materials and Conditions to avoid	Reactive with strong oxidizing agents
Hazardous Polymerization	Will not occur

Summary of Acute Hazards	This product is not expected to present a significant health hazard upon short term exposure at occupational levels.
Route of Exposure	Signs and Symptoms

Inhalation	No significant adverse health effects are expected to occur upon short term exposure at occupational levels but inhalation of hot oil mist or vapour may cause irritation. Avoid breathing vapours or spray mists wherever possible.
Eye Contact	Irritation is possible from short term exposure. Wear chemical safety glasses if there is a risk of possible eye contact.
Skin Absorption	No significant adverse health effects are expected to occur upon short term exposure at occupational levels. Oil/Chemical resistant clothing to be worn if repeated/prolonged exposure anticipated.
Skin	Irritation is possible from short term exposure. Use barrier cream; wear oil/chemical resistant gloves if there is a possibility of prolonged skin contact.
Ingestion	No significant adverse health effects are expected to occur upon short term exposure at occupational levels.
Chronic Hazards	Prolonged and/or repeated contact with this material may produce skin & eye irritation, inflammation, dermatitis and/or oil acne. Oil Mist may cause benign lung fibrosis.
Special Health Effects`	Personal with pre-existing skin disorders should avoid contact.

7 ***PROTECTIVE EQUIPMENT & OTHER CONTROL MEASURES***

Respiratory	None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA – approved respiratory equipment.
Exposure Limits Oil Mist – Severely refined	ACGIH TLV (United States and Canada) TLV – TWA: 5mg/m ³ Form: Mist
Consult local authorities for your acceptable exposure limits.	
Eye	Chemical safety goggles should be adequate protection under most conditions of use. Wear goggles and or face shield if splashing or spraying is likely to occur. Have eye wash water available.
Skin	Avoid prolonged and/or repeated skin contact, or wear impervious protective gloves and clothing together with skin barrier cream. When leaving work, wash hands or exposed skin with soap and water.
Engineering Controls	Use adequate ventilation to keep oil mists of this material below applicable standard(s).
Other Hygienic & Work Practices	Wash hands with plenty of soap and water before eating, drinking or using toilet facilities. If general contact occurs, remove oil-soaked clothing and launder before reuse.

Electrostatic Accumulation

Use proper ground procedure. Additional information regarding safe handling of products with static accumulation potential can be ordered by contacting the American Petroleum Institute (API) for API Recommended Practice 2003, entitled "Protection against Ignitions Arising out of Static, Lighting and Stray Currents"

American Petroleum Institute, 1220 L Street Northwest, Washington , D.C. 2005, or the National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA, 02269-9101

8***EMERGENCY AND FIRST AID***

Ingestion

SEEK MEDICAL ATTENTION: DO NOT induce vomiting or attempt to give liquids to a semi or unconscious person. Ingestion of large quantities may cause gastrointestinal discomfort, nausea, vomiting and diarrhoea. Small doses may produce irritation and or diarrhoea.

Inhalation

Vaporization is not expected at ambient temperatures and this material is not expected to be an inhalation problem under anticipated conditions of use. In case of over exposure, move person to fresh air.

Eye Contact

Check for and remove any contact lenses. In case of contact, flush eyes thoroughly (15 minutes minimum) with clean, low pressure water, occasionally lifting the eyelids. If pain or redness persists after flushing obtain medical attention.

Skin Contact

Remove by wiping, and then wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse.

Pressure Injection

Always obtain immediate medical attention even though the injury may appear to be minor.

9***SPILLS & DISPOSAL***

Spill Control and Disposal

Dyke and Recover. Use absorbent material. Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government regulations and ensure conformity to local disposal regulations. Notify appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

Land Spill

Eliminate sources of ignition. Keep public away. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use an explosion proof motor or hand pump), or by using a suitable absorbent.

Water Spill

Eliminate sources of ignition. Warn occupants and shipping in surrounding and down wind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or suitable absorbents. If allowed by local authorities and environment agencies, sinking and/or suitable dispersants may be used in unconfined waters.

Handling, Storage & Decontamination Procedures

To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures >200°F (93°C) should be minimized. Product degradation might increase health hazard risks.

Keep containers closed when not in use.

Clean up spills immediately to prevent slip hazards.

Recommended storage temperature 5°-35°C/41°-95°F; Store in dry conditions.

Regulatory Information**U.S. Department of Transportation (DOT)**

Proper Shipping Name
Hazard Class
Hazard Identification Number

Lubricating oil
Non hazardous
None assigned

Emergency Planning & Community Right to Know

SARA title section 311.312 categorizations (40 CFR 370) – this product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by SARA Title III of SARA title III section 313 information (40 CFR 372) – this product does not contain a chemical which is listed in section 313 above *de minimus* concentrations.

Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Section 102 Hazardous Substances

Releases of this material to air, land or water are not reportable to the national response center under CERCLA/Superfund or to state and local emergency planning committees under the Superfund Amendments Reauthorization Act (SARA) Title III, Section 304. As defined by CERCLA, the term “hazardous substance” does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance.

Resource Conservation & Recovery Act

When this product becomes a waste; it is classified as non-hazardous waste under the criteria of RCRA (40 CFR 261)

Toxic Substances Control Act

All components of this product are listed in the TSCA inventory.

Canadian Environmental Protection Act (CEPA)

All ingredients of this product are either on the Domestic Substances List (DSL) or exempt.

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MIXTURE ITSELF

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THIS MSDS REFERS ONLY TO THE PRODUCT NAMED IN SECTION 1 – GENERAL, ABOVE.