

Material Safety Data Sheet

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GENERAL

PRODUCT NAME	CRIMPX (EP METAL FORMING LUBRICANT)
PRODUCT CODE	FBOCRL
SUPPLIER/MANUFACTURER	Glenveigh Developments Ltd PO Box 734, Lower Sackville, Nova Scotia B4C 3V3 Tel: (902) 864 1200
Emergency Telephone Number	1866 314 1200
Generic Chemical Name	Petroleum Distillate + Proprietary Additives
Product Type	Surface Modifier/EP Improver
Application	Product supplied for use in metal forming & surface protection only.
WHMIS Classification:	Not Controlled.

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COMPOSITION/ INFORMATION ON INGREDIENTS

General

A BLEND OF HYDROCARBONS CONTAINING PROPRIETARY EP AND ANTI-WEAR ADDITIVES. MANUFACTURER CONSIDERS THESE ADDITIVE PACKAGES TO BE CONFIDENTIAL INFORMATION AND IS WITHELD AS PERMITTED BY 29 CFR 1910.1200.

Hazardous Ingredients

Petroleum Distillates
CAS numbers 64742-52-5 and 64742-65-0

Principle Hazards

Aliphatic/Aromatic Petroleum Distillates

CAS Number

Not applicable for mixtures and blends.

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PHYSICAL & CHEMICAL DATA

Color	Light Amber	Odor	Mild Petroleum
Viscosity cSt @ 40°C / 104°F	23.9	Flash Point (COC)	>145°C/293°F (ASTM D92)
Solubility in Water	Immiscible	Specific Gravity (water=1)	0.972
Solubility in Organic Materials	Soluble in most	Boiling Point	N/D

These properties do not constitute a specification.

Upper Flammable Limit	Not determined
Lower Flammable Limit	Not determined
Flash Point	>145°C/293°F (ASTM D92)
Extinguishing Media	Water, CO ₂ , dry chemical, alcohol foam. Water fogs should only be used by experienced fire fighters, as product may float and reignite on the surface of the water.
Fire & Explosion Hazards	Oxides of Carbon, asphyxiants and traces of HCl & oxides of Sulphur will be produced.
Auto Ignition Point:	>509°F/265°C
Special Firefighting Procedures	Self-contained breathing apparatus must be worn. For fires involving this material, do not enter any enclosed or confined space without wearing protective equipment. Firefighters should use NIOSH/MSHA approved self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. Drum and containers exposed to fire should be cooled with water.

NFPA Rating & Hazardous Material Information System (USA)**Hazard rating**

0=Least
 1=Slight
 2=Moderate
 3=High
 4=Extreme

nfpa/hmis classification

Health	1
Fire	1
Reactivity	0
Personal Protection Index	B

Stability	Material is normally stable at ambient temperatures
Incompatibility	Strong oxidizing agents and excessive heat, open flames.
Polymerisation	Will NOT occur.
Thermal Decomposition	Oxides of Carbon, asphyxiants and traces of HCl & oxides of Sulphur will be produced.

Summary of Acute Hazards	This product is not expected to present a significant health hazard upon short term exposure.
<u>Route of Exposure</u>	<u>Signs and Symptoms</u>
Inhalation Toxicity	Care should be exercised to avoid inhalation of oil mist O.E.S. 8 hrs T.W.A.
Respiratory Irritation	Not applicable under normal ambient conditions. Occupational exposure O.E.L. 8 hrs 5 mg as oil mist. At high temperatures, misting may occur and cause mild irritation of the upper respiratory tract. Excessive inhalation may cause dizziness and nausea.

Dermal Toxicity	Prolonged exposure will have de-fatting effect on skin tissue and may cause dermatitis in extreme cases. Caution should be exercised to minimize skin contact.
Eye Irritation	Mild conjunctival transient irritant.
Skin Irritation	May be absorbed over long periods, but not expected to be toxic via this route. Prolong contact with skin may have a slight de-fatting effect leading to irritation.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Special Health Effects	Personnel with pre-existing skin disorders should avoid contact.

6 ***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.
Eye	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.

7 ***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	In case of over exposure, move person to fresh air.
Eye Contact	Flush eyes thoroughly 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.

Additional Information Note to physician: Treat symptomatically.

8 ***SPILLS & DISPOSAL***

Ecological This product should be treated as lubricating oil. Lubricating oils are inherently, but not readily biodegradable.

Precautions if material is spilled or released Ventilate area if spilled in confined space or other poorly ventilated areas. Contain spill and prevent it from entering all water bodies. If possible, safely stop flow of spill. Evacuate non-essential personnel from immediate spill area due to slipping hazards. Pick up free liquid for recycle or disposal, residual liquid can be absorbed on inert material. In urban area, clean up as soon as possible; in natural environments, clean up on advice from ecologists. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802). The spilled material and any soil or water which it has contacted may be hazardous to animal/aquatic life.

Waste Disposal Methods Place used and contaminated materials/packaging in suitable containers. Maximize product recover for reuse or recycling. Conditions of use may cause this material to become "hazardous waste", as defined by state, provincial or federal laws. Use approved treatment, transporters, and disposal sites in compliance with all applicable laws, if spill is introduced into a wastewater treatment system. Chemical and biodegradable if gradually exposed to microorganisms. Potential treatment and disposal methods include land farming, incineration, and land disposal, if permitted.

9 ***TRANSPORTATION AND SPECIAL PRECAUTIONS***

Handling, Storage & Decontamination Procedures To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. 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 Lubricating Oil
Hazard Class Non hazardous
Hazard Identification Number 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.

CEPA (DSL)

All ingredients of this product are listed on the Domestic Substances List

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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