SECTION I - IDENTIFICATION

Product Name: **Corrosion Block® GREASE**
Product Code: **25002, 25003, 25014, 25016, 25020, 25060, 25180**

Use of Substance/Preparation: High performance semi-solid lubricant/grease that is designed for application to sealed bearing, wheel bearing, drag chains, winches, windlasses, and other heavily loaded mechanized parts.
Uses advised against: **None unless specified elsewhere**

Manufacturer: **Lear Chemical Research Corp.**
6182A Kestrel Road
Mississauga, ON Canada L5T 1Z2
Telephone: 905 564-0018 905-564-7077 (fax)
Email: info@learchem.com
www.learchem.com

Emergency Telephone: **Infotrac 1 800 535-5053 (Canada & US)**
1 352 323-3500 (International)

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the Mixture:

GHS classification: Not Classified
Signal Word: None
Labels: None
Hazard statement(s): None
Precautionary statement(s)
P102 Keep away from children

Other hazards which do not result in classification
No data available.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present: MIXTURE
Substances present at a concentration below the minimum danger threshold:

Reportable hazardous substance(s) complying with the classification criteria and/or with an exposure limit (OEL)

Name	CAS#	EC#	Registration#	Concentration*	GHS/CLP classification
1H-IMIDAZOLE-1-ETHANOL, 4,5-DIHYDRO-, 2-NORTALL-OIL ALKYL DERIVS	61791-39-7	263-171-2	NE	0.1 - < 1%	Skin Corr. 1B H314
AMINES, C12-14-ALKYL, ISOOCTYL PHOSPHATES	68187-67-7	269-119-5	NE	1 - < 5%	Skin Irrit. 2 H315

AMINES, C12-14-ALKYL, ISOOCTYL PHOSPHATES	68187-67-7	269-119-5	NE	1 - < 5%	Xi;R38

* All concentrations are percent by weight.
Note: See Section 16 for full text of the R-Phrases. See Section 16 for full text of hazard statements.

SECTION 4 - FIRST AID MEASURES

INHALATION

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Local necrosis as evidenced by delayed onset of pain and tissue damage a few hours after injection.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media:	CO^2, Dry Chemical, Foam, Water Spray
Un-Suitable Extinguishing Media:	Water Jet which might spread flames
Fire Hazard:	No unusual fire hazards
Reactivity:	Smoke, Fume, Incomplete combustion products, Oxides of carbon, Sulphur oxides, Aldehydes

Fire Fighting Procedures: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Explosion Hazard: No unusual fire or explosion hazards

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Notification procedures	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Personal precautions	Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Environmental precautions

Prevent spill into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning up

Land - small spill	Wipe up spills with absorbent cloth and clean surface with approved soap.

Land - large spill	Stop or reduce flow with barricades – absorb spills using dry clay, commercial sorbents. Collect residue into suitable container for disposal. May be drained into floor drains equipped with Oil Interceptors. Never return contaminated spilled liquid to original container.
Water spill	Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Skim from surface.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

Reference to other sections
See Section(s): 8, 13

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. This product is not a static accumulator.

Conditions for safe storage, including any incompatibilities
Store in a cool area away from oxidizing agents. Do not store in open or unlabeled containers. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)
Section 1 informs about identified end-uses. No industrial or sector specific guidance available.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

Control parameters
No special requirements under ordinary conditions of use and with adequate ventilation.

Exposure controls

Appropriate engineering controls	Does not require any specific or particular technical measures.
Personal protective equipment	None normally needed/required.
Eye protection	None normally needed/required.
Hygienic practices	Wash hands/face with soap and water after use. Launder soiled clothing.
Ventilation	Provide sufficient general or mechanical ventilation to maintain exposure below flammable limits.
Thermal hazards	No data available.
Control banding approach	No data available.
Environmental exposure controls	Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance/form (physical state, color, etc.)	Semi-Solid
Odor	Characteristic
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point and boiling range	> 330°C / 626°F
Flash point	> 204°C / 399°F [Est for Oil, ASTM D-92 (COC)]
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	< 0.013 kPa (0.1 mm Hg) at 20°C [Estimated]
Vapor density	No data available.
Relative gravity	0.884 [test method unavailable]
Solubility(ies)	Soluble in naphtha
Partition coefficient: n-octanol/water	> 3.5 [Estimated]
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	95 cSt (95 mm2/sec) @40°C [test method unavailable]
Explosive properties	None
Oxidizing properties	None

Other information

DMSO Extract (mineral oil only), IP-346	<3%wt

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No hazardous reactions known if used for intended purpose.
Conditions to avoid	Excessive heat. High energy sources of ignition.
Incompatible materials	Avoid strong oxidizers.
Hazardous decomposition products	Material does not decompose at ambient temperatures.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Not classified.
Skin corrosion/irritation	Mildly irritating to skin with prolonged exposure, based on assessment of the components.
Serious eye damage/irritation	Nonirritant.
Respiratory or skin sensitization	Not expected to be a skin sensitizer; based on physio-chemical properties of the mixture.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	Not expected to be an aspiration hazard. Based on physio-chemical properties of the mixture.

Other information
Base oil severely refined: Not carcinogenic in animal studies. Representative mixture passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil disposition and minimal granuloma formation. Not sensitizing in test animals.

SECTION 12- ECOLOGICAL INFORMATION

Information given is based on data available for the mixture, the components of the mixture, and similar mixtures.

Toxicity	Mixture – Not expected to be harmful to aquatic organisms
Persistence and degradability	Base oil component – Expected to be inherently biodegradable
Bio accumulative potential	Base oil component – Has the potential to bio accumulate, however metabolism or physical properties may reduce the bio concentration or limit bio availability.
Mobility in soil	Base oil component – Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.
Results of PBT and vPvB assessment	This mixture does not meet the PBT / vPvB criteria of REACH regulation, Annex XIII
Other adverse effects	No adverse effects are expected.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal of the product
Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is undiluted scrap product. Do not landfill. Household Use: Household product is safe for disposal down the drain during detergent use or in the trash. Dispose of empty bottle in the trash or recycle where facilities exist.

Disposal of contaminated packaging Dispose of as unused product.

Waste treatment
This mixture, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).
Recycle only completely emptied packaging. Empty HDPE/LDPE containers can be recycled.

Sewage disposal No data available.

Other disposal recommendations Disposal should be in accordance with local, state or national legislation.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)	Not regulated / Not dangerous goods
IMDG	Not regulated / Not dangerous goods
IATA	Not regulated / Not dangerous goods

SECTION 15 - REGULATORY INFORMATION

This mixture was classified in compliance with GHS Directives and is not known to be classified on any EC lists or other source literature.

WHMIS	Not Controlled
U.S. Federal Regulations:	Not Regulated
TSCA Inventory (USA)	Reported/Included
DSL (Canada)	Reported /Included
SARA 302/355 Extreme Hazard:	No
CERCLA:	No
SARA 313 Toxic Chemical:	No
SARA 311/312 Hazardous:	No
Prop 65	No to All
ELINCS (Europe)	No
ENCS (Japan)	Yes
AICS (Australia)	Yes

SECTION 16 – OTHER INFORMATION

V0006 – December 1. 2019 – Revisions:
All Sections revised to meet GHS compliance

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