

# MATERIAL SAFETY DATA SHEET

## According to CHIP 2002 & Directive 91/155/EEC

Emergency Telephone Number: 120 257-7280 (day) .....120-251-1282 (night) Fax  
Number: 120-257-3322  
Poison Control Center: Alert System

### SECTION I - PRODUCT IDENTIFICATION & USE

**Product Name:** CORROSION BLOCK ® GREASE  
**Product Code:** 25000, 25002, 25003, 25014, 25016  
**Manufacturer:** Lear Chemical Research Corp.  
PO Box 1040 Stn B Mississauga, ON Canada  
905 564-0018 905 564-7077 (fax)  
**Distributor :** Leading Edge, Nelspruit ZA  
**Application:** Corrosion Block Grease is a high performance semi-solid lubricant/grease that is designed for application to sealed bearings, wheel bearings, drag chains, winches, windlasses, and other heavily loaded mechanized parts.

### SECTION II - COMPOSITION

Chemical Names	CAS #	OSHA / PEL
%		
Petroleum Oils	64742-52-5	NA
50-70		
	64742-65-0	
Non-hazardous additives	NA	NA
20-30		

### SECTION III - HAZARDOUS IDENTIFIED

**Adverse Human Effects:** May cause slight/brief irritation if introduced into the eyes.  
**Chemical Reaction Hazard:** Hazardous reactions may occur on contact with certain chemicals (Refer to complete list of incompatible materials in section 10 "Stability and Reactivity")

### SECTION IV - FIRST AID PROCEDURES

**Skin:** Remove excess by wiping, followed by washing with soap and water.  
**Eyes:** Copious warm water flush - 15 minutes, Physician assessment if eyes inflamed.  
**Inhalation:** Evacuate to fresh air. Apply CPR if required. If resuscitation is required, Physician assessment mandatory.  
**Ingestion:** **DO NOT INDUCE VOMITING.** If vomiting takes place, naturally, lean victim forward to prevent aspiration into lungs. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Mandatory physician assessment: Note to Physician: Consult standard literature for Hydrocarbon poison.

## SECTION V - FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	>235C° (455 F°). <b>Method:</b> COC
<b>Flammable Limits:</b>	ND
<b>Extinguishing Media:</b>	CO <sup>2</sup> Dry Chemical Foam Water spray
<b>Fire Fighting Procedures:</b>	Use full protective equipment and self-contained breathing apparatus. Cover with extinguishing agent. Use water spray to cool fire exposed containers and as a protective screen. Do not point solid water stream directly into burning liquid to avoid spreading fire.
<b>Combustion Products:</b>	Oxides of carbon/calcium/nitrogen/sulfur/phosphorus, Sulphur dioxide, Hydrogen Sulfide
<b>Fire Explosion Hazards:</b>	NFPA STD.704 Health -0 Flammability-1-Reactivity-0 NFPA STD. 321: NA

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

<b>Spills/Leaks:</b>	Scoop up excess, collect residue into suitable container for disposal. Keep product from entering sewers or water course.
<b>Waste Disposal:</b>	Dispose in approved landfill site or incinerate at licensed waste reclaim facility. Follow all local, governmental requirements. Materials not listed as a hazardous waste.
<b>Ventilation:</b>	None normally needed
<b>Respiratory Protection:</b>	None normally needed
<b>Protective Gloves:</b>	None normally needed
<b>Eye Protection:</b>	None normally needed
<b>Other Protective Clothing:</b>	None normally needed
<b>Work/Hygienic Practices:</b>	Wash hands and face with soap and water after use. Launder soiled clothing.

## SECTION VII - HANDLING AND STORAGE

No special handling or storage requirements

## SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

None normally required

<b>Skin and Eyes:</b>	May cause drying, of skin, dermatitis; May cause mild irritation of eyes
<b>Ingestion:</b>	Low Toxicity will have laxative effect
<b>Inhalation:</b>	Vapor pressure low. Vapor inhalation under ambient conditions is not normally a concern.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b>	NA	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	
1.03			
<b>Vapor Pressure (mmHg.):</b>	NA	<b>Melting Point (Deg. F):</b>	
>277C°(530) F°			
<b>Vapor Density:</b>	NA	<b>Evaporation Rate:</b>	NA
		<b>pH:</b>	NA
<b>Solubility in Water:</b>	Negligible @25C°	<b>Freeze Point:</b>	-70
F°			
<b>Appearance/ Odor:</b>	Turquoise semi-solid/mild oil		

## SECTION X – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Oxidizing agents (Hydrogen Peroxide, Bromine, and Chronic Acid)
<b>Hazardous Decomposition:</b>	Thermal conditions produces normal products of combustion including: Carbon Oxides (CO- CO <sup>2</sup> ) Nitrogen oxides (NO <sup>2</sup> -NO) Sulfur oxides (SO <sup>2</sup> -SO <sub>3</sub> ). Phosphorous, Oxides of Calcium
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION XI - TOXICOLOGICAL PROPERTIES

### Primary Routes of entry:

<b>Acute Oral:</b>	LD50: > 5 g/kg	<b>Acute Eye:</b>	LC50: ND
<b>Acute Dermal:</b>	LD50: > 3.16g/kg	<b>Acute Vapor</b>	LC50: ND
<b>Carcinogenicity:</b>	Non-carcinogenic, according to NTP, IARC, OSHA or ACGIH.		

<b>Sensitization:</b>	Non-sensitizer	<b>Tetragenic:</b>	No
<b>Mutagenic effects:</b>	No	<b>Developmental:</b>	No
<b>Reproductive:</b>	No		

NOTE: This is an untested mixture. The toxicological information is based on the most hazardous ingredient.

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## SECTION XII - ECOLOGICAL INFORMATION

N/A

## SECTION XIII – DISPOSAL CONSIDERATIONS

<b>Empty Drum:</b>	empty steel drum/ HDPE/LDPE containers can be recycled
<b>Empty Liner:</b>	Do not attempt to refill or clean since residue will be difficult to remove. Empty contents to the maximum and dispose of liner in an environmentally safe manner and in accordance with governmental regulations.

## SECTION XIV – TRANSPORT INFORMATION

### Land transport ADR/RID (cross-border)

**ADR/RIC-GGVS/E**                      **Unknown**

**Maritime transport IMDG:**        **Not Regulated**  
**Marine pollutant:**                    **Not expected to be.**

**AIR transport ICAO-TI and IATA-DGR:**                      **Non-Regulated**

## SECTION XV - REGULATORY INFORMATION

### Markings according to EU guidelines

The product has been classified and marked in accordance with EU Directives and is not known to be classified on any EC lists or other source literature.

**Hazard designation: Void**

### Risk Phrases

**R 16**                      **Explosive when mixed with oxidizing substances**

**S-Phrases****S2 - Keep out of reach of children****S29/35 Do not empty into drain, dispose of this material and its containers in a safe way****S62 - If swallowed, do not induce vomiting, seek medical attention immediately and show this container or label****Markings according to EU guidelines: Observe the general safety regulations when handling chemicals****SECTION XVI - OTHER INFORMATION**

Lear Chemical and its affiliates assume no responsibility for injury to anyone caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Lear Chemical Research Corp. and affiliates assume no responsibility for injury to anyone caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee and third persons assume the risk in their use of the material.

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Prepared by:

Lear Chemical Research Corp.