



Fiske Brothers Refining Co.
dba LUBRIPLATE Lubricants Co.
1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA, 43605
Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 1 of 12

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **LUBRIPLATE No. 100/105/B-105/C-105/C-105 Motor
Assembly/107/110/115**

Product Code(s) : L0031; L0034; L0036; L0037; L0040

Recommended use of the chemical and restrictions on use

: Water-resistant lubricants designed for plain bearings, cams, slides and similar applications.
No restrictions on use known.

Chemical family : Mixture of : Petroleum oil; Grease; Metal oxides; Other lubricant additives

**Name, address, and telephone number of
the supplier:**

**Fiske Brothers Refining Co. dba LUBRIPLATE
Lubricants Co.**

1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA
43605

Supplier's Telephone # : (419) 691-2491 (Monday - Friday, 8:30 am - 4:30 pm, Eastern Time)

24 Hr. Emergency Tel # : CHEM-TEL: (800) 255-3924 (Within Continental U.S.); CHEM-TEL: +1 (813) 248-0585
(Outside U.S., please call collect).

**Name, address, and telephone number of
the manufacturer:**

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

White, grease like, semi-solid. Mineral oil odor.

Most important hazards:

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

Very toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See Section 12 for more environmental information.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:

Skin corrosion/irritation - Category 2

Eye damage/irritation - Category 2A

Skin sensitization - Category 1

Label elements

Hazard pictogram(s)



Signal Word
WARNING!



Fiske Brothers Refining Co.
dba LUBRIPLATE Lubricants Co.
1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA, 43605
Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 2 of 12

SAFETY DATA SHEET

Hazard statement(s)

- Causes skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.

Precautionary statement(s)

Avoid breathing fumes, mists or vapors. Wash exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye/face protection.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. If product is heated, inhalation of fumes may cause irritation to the nose, throat and respiratory tract. Inhalation of fumes may result in metal fume fever, a flu-like illness. May cause gastrointestinal irritation.

Environmental precautions:

Very toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Distillates (petroleum), hydrotreated heavy naphthenic	Mineral oil	64742-52-5	No. 100 contains: 86.2% No. 105/B-105/C-105/C105 Motor Assembly contains: 83.5% No. 107 contains: 86.1% No. 110 contains: 80.6% No. 115 contains: 73.4%
Zinc oxide	Zinc monoxide	1314-13-2	3%
Calcium hydroxide	Calcium hydrate Hydrated lime	1305-62-0	No. 100 contains: 1.2% No. 105/B-105/C-105/C105 Motor Assembly contains: 1.6% No. 107 contains: 1.2% No. 110 contains: 1.9% No. 115 contains: 2.8%
Zinc bis(dibutyl)dithiocarbamate	Zinc dibutylthiocarbamate ZDBC	136-23-2	0.49%

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation or symptoms develop, seek medical attention.
- Inhalation** : If inhaled, move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. If irritation or symptoms develop, seek medical attention.
- Skin contact** : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 15 minutes. If eye irritation persists: get medical advice/attention.



Fiske Brothers Refining Co.
dba LUBRIPLATE Lubricants Co.
1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA, 43605
Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 3 of 12

SAFETY DATA SHEET

Most important symptoms and effects, both acute and delayed

- : Causes skin irritation. Contact may cause redness, swelling and a painful sensation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema.
- If product is heated, inhalation of fumes may cause irritation to the nose, throat and respiratory tract. May cause coughing and breathing difficulties. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

- : None known.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Not considered flammable. However, may burn if exposed to extreme heat and flame. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Toxic fumes may be released during a fire.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not classified as flammable.

Hazardous combustion products

- : Carbon oxides; Nitrogen oxides (NOx); Sulfur oxides; Metal oxides; Aldehydes; Ketones; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Normal protective clothing (bunker gear) may not be adequate. A full-body encapsulating chemical protective suit may be necessary.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate personal protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 4 of 12

SAFETY DATA SHEET

Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Use inert, non-combustible absorbents to assist the pick up of material. Scrape up product and place it into a container for disposal. Keep in properly labelled containers. Contact the proper local authorities.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
 US CERCLA Reportable quantity (RQ): None known.

In Canada: Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use with adequate ventilation. Wear protective equipment during handling. Wear protective gloves. Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Keep container tightly closed when not in use. Wash thoroughly after handling. Empty containers retain residue and can be dangerous. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.

Incompatible materials

- : Strong oxidizing agents; Strong acids; Strong bases; Reducing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ (As 'Oil mist, mineral') (inhalable)	N/Av	5 mg/m ³ (As 'Oil mist, mineral')
Zinc oxide	2 mg/m ³ (respirable)	10 mg/m ³ (respirable)	5 mg/m ³ (fume); 15 mg/m ³ (total dust); 5 mg/m ³ (respirable)	N/Av
Calcium hydroxide	5 mg/m ³	N/Av	15 mg/m ³ (total dust); 5 mg/m ³ (Respirable fraction)	N/Av
Zinc bis(dibutyldithiocarbamate)	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. Local ventilation is recommended if the product is misted or used in a confined space, or if the TLV is exceeded.



Fiske Brothers Refining Co.
dba LUBRIPLATE Lubricants Co.
1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA, 43605
Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 5 of 12

SAFETY DATA SHEET

- Respiratory protection** : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Depending on conditions of use, an impervious apron should be worn.
- Eye / face protection** : Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles.
- Other protective equipment** : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.
- General hygiene considerations** : Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing must not be allowed out of the workplace.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : White, grease like, semi-solid.
- Odor** : Mineral oil odor.
- Odor threshold** : N/Av
- pH** : N/Av
- Melting/Freezing point** : N/Av
- Initial boiling point and boiling range** : > 288°C (550°F)
- Flash point** : 185°C (359.6°F)
- Flashpoint (Method)** : Cleveland Open Cup
- Evaporation rate (BuAe = 1)** : < 0.01 (butyl acetate = 1)
- Flammability (solid, gas)** : Not flammable.
- Lower flammable limit (% by vol.)** : N/Av
- Upper flammable limit (% by vol.)** : N/Av
- Oxidizing properties** : None known.
- Explosive properties** : Not explosive
- Vapor pressure** : N/Av
- Vapor density** : N/Av
- Relative density / Specific gravity** : 0.89 - 0.93
- Solubility in water** : Insoluble.
- Other solubility(ies)** : N/Av
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : N/Av
- Auto-ignition temperature** : N/Av
- Decomposition temperature** : N/Av
- Viscosity** : 58 cSt @ 40°C (104°F)
- Volatiles (% by weight)** : N/Av
- Volatile organic Compounds (VOC's)** : N/Av



Fiske Brothers Refining Co.
dba LUBRIPLATE Lubricants Co.
1500 Oakdale Avenue
P.O. Box 8038, Station A
Toledo, OH, USA, 43605
Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 6 of 12

SAFETY DATA SHEET

Absolute pressure of container

: N/Ap

Flame projection length

: N/Ap

Other physical/chemical comments

: No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid heat and open flame.

Incompatible materials : Strong oxidizing agents; Strong acids; Strong bases; Reducing agents

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: If product is heated, inhalation of fumes may cause irritation to the nose, throat and respiratory tract. May cause coughing and breathing difficulties. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

: Causes skin irritation. Contact may cause redness, swelling and a painful sensation.

Sign and symptoms eyes

: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Potential Chronic Health Effects

: Repeated exposure may cause skin dryness or cracking.

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: Not classifiable as a human carcinogen. No other reportable components are classified as carcinogenic by IARC, ACGIH, OSHA or NTP.

Note: The following petroleum derived chemicals contain < 3% DMSO: Distillates (petroleum), hydrotreated heavy naphthenic.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 7 of 12

SAFETY DATA SHEET

- Sensitization to material** : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:
 Skin sensitization - Category 1. May cause an allergic skin reaction.
 May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema. Contains: Zinc bis(dibutyldithiocarbamate).
- Specific target organ effects** : Not classified as a specific target organ toxicity-single exposure.
 Not classified as a specific target organ toxicity - repeated exposure.
- Medical conditions aggravated by overexposure** : Pre-existing skin, eye and respiratory disorders.
- Synergistic materials** : None known or reported by the manufacturer.
- Toxicological data** : No data is available on the product itself. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀ (4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Distillates (petroleum), hydrotreated heavy naphthenic	> 5 mg/L (mist)	> 5000 mg/kg	> 2000 mg/kg
Zinc oxide	> 5.7 mg/L (dust) (No mortality)	> 5000 mg/kg	> 2000 mg/kg (No mortality)
Calcium hydroxide	N/Av	7340 mg/kg	> 2500 mg/kg (No mortality)
Zinc bis(dibutyldithiocarbamate)	N/Av	> 5000 mg/kg	> 2000 mg/kg (No mortality)

Other important toxicological hazards

- : None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Very toxic to aquatic life with long lasting effects.
 No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Zinc oxide; Zinc bis(dibutyldithiocarbamate).

See the following tables for the substance's ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 5000 mg/L (Rainbow trout)	N/Av	None.
Zinc oxide	1314-13-2	1.1 mg/L (Rainbow trout)	N/Av	None.
Calcium hydroxide	1305-62-0	50.6 mg/L (Rainbow trout)	N/Av	None.
Zinc bis(dibutyldithiocarbamate)	136-23-2	> 16 mg/L (Guppy)	N/Av	None.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 8 of 12

SAFETY DATA SHEET

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L (Daphnia magna)	N/Av	None.
Zinc oxide	1314-13-2	0.098 mg/L (Daphnia magna)	N/Av	10
Calcium hydroxide	1305-62-0	49.1 mg/L (Daphnia magna)	N/Av	None.
Zinc bis(dibutyl)dithiocarbamate)	136-23-2	0.74 mg/L (Daphnia magna)	0.0032 mg/L (Daphnia magna)	10

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L/96hr (Green algae)	N/Av	None.
Zinc oxide	1314-13-2	0.044 mg/L/72hr (Green algae)	N/Av	10
Calcium hydroxide	1305-62-0	184.57 mg/L/72hr (Green algae)	48 mg/L/72hr	None.
Zinc bis(dibutyl)dithiocarbamate)	136-23-2	1.2 mg/L/96hr (Green algae)	N/Av	None.

Persistence and degradability

: No data is available on the product itself.
 Contains the following chemicals which are not readily biodegradable: Distillates (petroleum), hydrotreated heavy naphthenic; Zinc oxide; Calcium hydroxide; Zinc bis(dibutyl)dithiocarbamate).

Bioaccumulation potential

: No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	> 20	N/Av
Zinc oxide (CAS 1314-13-2)	1.53 (estimated)	N/Av
Zinc bis(dibutyl)dithiocarbamate) (CAS 136-23-2)	7.04 (calculated)	90 (Fish)

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental 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

Handling for Disposal : Handle waste according to recommendations in Section 7. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 9 of 12

SAFETY DATA SHEET

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. [Zinc oxide; Zinc bis(dibutylthiocarbamate)]	9	III	 
TDG Additional information	This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99.				
49CFR/DOT	None.	Not regulated.	Not regulated	None	
49CFR/DOT Additional information	Not regulated unless shipping internationally by sea or air. Refer to IMDG or IATA information for international sea or air shipments, as appropriate.				
ICAO/IATA	UN3077	Environmentally hazardous substance, solid, n.o.s. [Zinc oxide; Zinc bis(dibutylthiocarbamate)]	9	III	 
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material. The 'Environmentally hazardous' mark must appear on packagings holding more than 5 kg of the material.				
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. [Zinc oxide; Zinc bis(dibutylthiocarbamate)]	9	III	 
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 kg; in packages not exceeding 30 kg gross mass. The 'Environmentally hazardous' mark must appear on packagings holding more than 5 kg of the material.				

Special precautions for user : Appropriate advice on safety must accompany the package. Avoid release to the environment.

Environmental hazards : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 10 of 12

SAFETY DATA SHEET

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	Yes	None.	None.	No	N/Ap
Zinc oxide	1314-13-2	Yes	None.	None.	No	N/Ap
Calcium hydroxide	1305-62-0	Yes	None.	None.	No	N/Ap
Zinc bis(dibutylthiocarbamate)	136-23-2	Yes	None.	None.	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Health hazards (Skin irritation; Eye irritation; Skin sensitization). Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	No	N/Ap	No	No	No	No	No	No
Zinc oxide	1314-13-2	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Calcium hydroxide	1305-62-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Zinc bis(dibutylthiocarbamate)	136-23-2	No	N/Ap	No	No	No	No	No	No

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian National Pollutant Release Inventory (NPRI): This product does not contain any substances listed on the NPRI.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105
 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 11 of 12

SAFETY DATA SHEET

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>New Zealand IOC</u>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	Present	Present	(9)-1689	KE-12543	Present	May be used as a single component chemical under an appropriate group standard.
Zinc oxide	1314-13-2	215-222-5	Present	Present	(1)-561	KE-35565	Present	HSR003104
Calcium hydroxide	1305-62-0	215-137-3	Present	Present	(1)-181	KE-04518	Present	HSR002925, HSC000322
Zinc bis(dibutylthiocarbamate)	136-23-2	205-232-8	Present	Present	(2)-2122	KE-03004	Present	HSR003981

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
 AICS: Australian Inventory of Chemical Substances
 CA: California
 CAS: Chemical Abstract Services
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 ENCS: Existing and New Chemical Substances
 EPA: Environmental Protection Agency
 HMIS: Hazardous Materials Identification System
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 IMDG: International Maritime Dangerous Goods
 Inh: Inhalation
 IOC: Inventory of Chemicals
 IUCLID: International Uniform Chemical Information Database
 KECI: Korean Existing Chemicals Inventory
 KECL: Korean Existing Chemicals List
 LC: Lethal Concentration
 LD: Lethal Dose
 MA: Massachusetts
 MN: Minnesota
 mppcf: million particles per cubic foot
 MSHA: Mine Safety and Health Administration
 N/Ap: Not Applicable
 N/Av: Not Available
 NFPA: National Fire Protection Association
 NIOSH: National Institute of Occupational Safety and Health
 NJ: New Jersey
 NOEC: No observable effect concentration
 OECD: Organisation for Economic Co-operation and Development
 NTP: National Toxicology Program



Fiske Brothers Refining Co.
 dba LUBRIPLATE Lubricants Co.
 1500 Oakdale Avenue
 P.O. Box 8038, Station A
 Toledo, OH, USA, 43605
 Telephone: (419) 691-2491

LUBRIPLATE No. 100/105/B-105/C-105/C-105 Motor Assembly/107/110/115

L0031; L0034; L0036; L0037; L0040

SDS Preparation Date (mm/dd/yyyy): 11/23/2016

Page 12 of 12

SAFETY DATA SHEET

OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 SDS: Safety Data Sheet / Material Safety Data Sheet
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 TSCA: Toxic Substance Control Act
 WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016.
- 2. International Agency for Research on Cancer Monographs, searched 2016.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2016 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - October 21, 2016 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2016.

Preparation Date (mm/dd/yyyy): 11/23/2016

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

HMIS Rating

: * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
 Health: *2 Flammability: 1 Reactivity: 0

NFPA Rating

: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
 Health: 2 Flammability: 1 Instability: 0 Special Hazards: None.

<p>Prepared for: Fiske Brothers Refining Co. dba LUBRIPLATE Lubricants Co. 1500 Oakdale Avenue Toledo, OH, USA 43605 Telephone: (419) 691-2491 Direct all enquiries to: Fiske Brothers Refining Co.</p>	
<p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Fiske Brothers Refining Co. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Fiske Brothers Refining Co. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Fiske Brothers Refining Co.

END OF DOCUMENT