



LUBRI-LOY.

Safety Data Sheet

Issuing Date 01-Jan-2014

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 *Product Identifier*
Product Name **Impact-FG Aluminum Complex Food Grade H1 Grease, NLGI# 0,1,2**
 0014FG, 0640FG, 0192FG, 07040FG, 1014FG, 1640FG, 1192FG, 17040FG, 9014,
 9640, 9192, 97040

1.2. Identified uses Plain and roller bearings, packaging line bearings, oven bearings, cooking or frying bearings, fan bearings, chain bearings, conveyor bearings and bearings exposed to water wash-out conditions.

1.3. Supplier details
Company/Address: The Lubri-Loy Company
 150 Enterprise Dr.
 Wentzville, MO 63385
 Tel: (636) 561-5007

1.4 Transportation emergency contact: Chem Tel 800.255.3924

2. HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]: Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

Adverse effects: At high temperatures, vapors may be generated which may be considered hazardous at concentrations exceeding 5 mg/m³.

2.2. Label elements:

NFPA Code: Health-0, Flammability-1, Reactivity-0

HMIS Code: Health-0. Flammability-1, Reactivity-0

2.3. Potential Health Effects:

Eye contact: Slightly irritating

Skin contact: Repeated or prolonged contact can result in drying

Ingestion: Can cause discomfort

Inhalation: Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.

2.4. Other hazards:

These substances/mixtures do not meet the PBT/vPvB criteria of REACH, annex XIII. Prolonged/repetitive skin contact may cause skin defatting or dermatitis; ingestion may have laxative effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Component	CAS No.	EC No.	% by Wt.	HS Tariff Classification No.
Mineral Oil, (Petroleum)	8042-47-5	232-45-9	50 - 70	2710.00.4530
Butene, Homopolymer	9003-29-6		7 - 13	
Zinc Oxide	1314-13-2		7 - 13	
Aluminum Complex	Proprietary		5 - 10	
Carbonic Acid, Calcium Salt	471-34-1		5 - 10	

4. FIRST AID MEASURES

4.1. General information:

<i>Eye:</i>	Flush immediately with large amounts of water. If irritation occurs, call a physician
<i>Skin:</i>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact health care provider if discomfort continues.
<i>Ingestion:</i>	DO NOT INDUCE VOMITING! Get medical attention immediately!
<i>Inhalation:</i>	Remove person to fresh air, immediately. For breathing difficulties, oxygen may be necessary. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, acute and delayed

<i>Symptoms/injuries:</i>	High vapor concentration may induce headache, nausea, dizziness and respiratory irritation. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
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4.3. Indication of any immediate medical attention and special treatment needed: See 4.1 and 4.2.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

	Dry chemical, sand, carbon dioxide, foam, steam or water fog. Agents approved for Class B hazards.
<i>Unsuitable extinguishing media:</i>	Water streams will scatter liquid and spread fire, but may be used to keep fire-exposed containers and surroundings cool.

5.2. Special hazards:

<i>Fire hazard:</i>	May create dense smoke during combustion Mild fire hazard when heated above its flash point. Pressure will increase in over-heated, closed containers producing a risk of container explosion in fire.
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5.3. Advise for firefighters:

<i>Firefighting instruction:</i>	Cool unaffected containers and remove to safety.
<i>Firefighting protection:</i>	Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

<i>Personnel:</i>	Wear appropriate breathing apparatus, protective clothing gloves and eye/face protection. No smoking. Refer to section 8.
<i>Emergency procedures:</i>	Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces.

6.2. Environmental precautions

Stop source of leak or release. Contain liquid to prevent soil contamination. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

6.3. Containment / Cleanup

<i>Containment:</i>	Remove spills using appropriate techniques such as absorbent materials or pumping. Clean up release as soon as possible into closed containers.
<i>Cleanup:</i>	Dispose of in accordance with current applicable laws and regulations and product characteristics at time of disposal or divert to recovery unit. Keep all sources of ignition and hot metal surfaces away from spill. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors.

7. HANDLING AND STORAGE

- 7.1. Handling Do not reuse container. Keep containers closed when not in use. Eye wash and shower must be available at the work place.
- 7.2. Storage Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Limits:

Component	STD	TWA	STEL	TWA	STEL
White Mineral Oil	OSHA			5mg/m ^{3*}	
	ACGIH			5mg/m ^{3*}	10mg/m ³
Zinc Oxide	OSHA	15mg/m ³		5mg/m ³	
	ACGIH			2mg/m ³	10mg/m ³
Carbonic Acid, Calcium Salt	OSHA	10mg/m ³		5mg/m ^{3**}	
	ACGIH			10mg/m ^{3**}	**

*For respirable oil mist

**For respirable dust [ACGIH TLV = 10 mg/m³ total dust]

8.2. Exposure controls

Control airborne concentrations below the exposure guidelines. Provide local exhaust or general room ventilation to minimize vapor concentrations. Provide emergency eye wash fountains and safety showers.

Eye:

Wear protective goggles or face shield if splashing is possible.

Skin:

Chemical resistant gloves (neoprene, nitrile, polyethylene PVC, or latex)

Inhalation:

No specific ventilation requirements noted, but forced ventilation may be required if air contamination exceeds acceptable levels. No specific recommendations made for respirators, but protection may be required under exceptional circumstances of excessive air contamination. Avoid breathing mist. If ventilation is inadequate, use NIOSH/MSHA certified respirator to protect against mist.

Environmental controls:

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Basic physical and chemical properties

<i>Appearance / Odor:</i>	White grease / Mild odor
<i>pH:</i>	Not determined
<i>Vapor Pressure:</i>	Not determined
<i>Vapor Density (Air=1):</i>	Not determined
<i>Boiling Point:</i>	Not determined
<i>Melting Point:</i>	Not determined
<i>Solubility:</i>	Insoluble in water
<i>Specific Gravity (Water=1):</i>	0.88 @ 25°C (77°F)

Pour Point: Not determined
Flash point / Method 482°F (250°C) minimum / PM Closed Cup

10. STABILITY AND REACTIVITY

10.1. Reactivity	Unknown
10.2. Chemical Stability	Stable
10.3. Hazardous reactions	Hazardous polymerization will not occur
10.4. Conditions to avoid	Extreme heat; contact with chlorine, fluorine, and other strong oxidizers and acids
10.5. Incompatible materials	Chlorine, fluorine, and other strong oxidizers and acids
10.6. Hazardous decomposition products:	Acrid smoke/fumes. Oxides of carbon and silicon.
10.7. Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

11.1. Toxicity	No experimental toxicological data is available.
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12. ECOLOGICAL INFORMATION

12.1. Toxicity	No data on possible environmental effects have been found.
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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Disposal must be in accordance with applicable federal, state, or local regulations. "Empty" drums should not be given to individuals.
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14. TRANSPORT INFORMATION

14.1. General Information	Not regulated by U.S. DOT, Canadian TODG, IMO/IMDG, ICAO/IATA, ADR/RID
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15. REGULATORY INFORMATION

U.S. Federal Regulations

Component	SARA 302	CERCLA	SARA 313
White Mineral Oil, Petroleum	No	No	No
Zinc Oxide	No	*	N982-Zn*
Aluminum Complex	No	No	No
Carbonic Acid, Calcium Salt	No	No	No
Butene, Homopolymer	No	No	No

*No RQ assigned to this generic or broad class, although the class is a CERCLA hazardous substance. See 50 Federal Register 13456 (April 4, 1985). Values in Section 313 column represent Category Codes for reporting under Section 313.

U.S. State Regulations

Component	NJ	PA
Zinc Oxide	Yes	EH

Inventories

Component	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
White Mineral Oil								

Petroleum	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
Zinc Oxide	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
Aluminum Complex	DSL	Yes	EINECS	Yes			Yes	
Carbonic Acid, Calcium Salt	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
Butene, Homopolymer	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

16. OTHER INFORMATION

This material safety data sheet and the information it contains are offered in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use product(s) safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

End of SDS