



HOUGHTON®

Revision Date 07-14-2017

Version 1

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### Product identifier

**Product Code(s)** 13069330-M  
**Product Name** FOOD MACHINERY GREASE EP

### Other means of identification

**UN Number** UN3082

### Recommended use of the chemical and restrictions on use

**Recommended Use** Lubricating grease  
**Uses advised against** Any other purpose.

### Suppliers name, address and phone number

#### Manufacturer, Importer, Supplier

Houghton Australia Pty. Ltd.  
287 Wickham Road  
Moorabbin, Victoria  
Australia, 3189  
+61 1300 736 642

### Emergency telephone number

For further information, please contact: [ProductStewardship@houghtonintl.com](mailto:ProductStewardship@houghtonintl.com)

**Emergency Telephone** 3E Company (+1 760 476 3960 ( Code 333938 )  
Australia: (+)61 1 800 686 951  
Australia (+)61 280 363 166  
New Zealand: (+)64 800 451719

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### **Hazard statements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)  
None

### Other hazards

Toxic to aquatic life with long lasting effects

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients

Chemical name	CAS No	Weight-%
Zinc oxide	1314-13-2	2.5% - 10%

The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	Use personal protective equipment.

### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing media

#### **Suitable Extinguishing Media**

Use CO2, dry chemical, or foam. Water spray or fog. Cool containers / tanks with water spray.

#### **Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire

#### **Specific hazards arising from the chemical**

Water runoff can cause environmental damage Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

#### **Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

#### **Special protective equipment and precautions for fire fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Hazchem emergency action code** •3Z

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**

Store in original container or corrosive resistant and/or lined container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**Recommended Shelf Life**

Shelf life 12 months

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Aluminium.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
Zinc oxide	TWA: 10 mg/m <sup>3</sup> containing no asbestos and <1% crystalline silica inhalable dust TWA: 5 mg/m <sup>3</sup> fume STEL: 10 mg/m <sup>3</sup> fume	TWA: 5 mg/m <sup>3</sup> fume TWA: 10 mg/m <sup>3</sup> dust, for inhalable dust containing no asbestos and <1% free silica STEL: 10 mg/m <sup>3</sup> fume	

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses with side-shields.

**Skin and body protection** Wear protective gloves/clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

**Hygiene measures** Regular cleaning of equipment, work area and clothing is recommended.

**Thermal hazards** None under normal use conditions.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Appearance</b>	opaque white
<b>Odor</b>	Mild	<b>Odor threshold</b>	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	Not applicable	
<b>Melting point / freezing point</b>	Not Determined	
<b>Boiling point / boiling range</b>	Not Determined	
<b>Flash point</b>	Not Determined	
<b>Evaporation rate</b>	Not Determined	
<b>Flammability (solid, gas)</b>	Not Determined	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	Not Determined	
<b>Lower flammability limit:</b>	Not Determined	
<b>Vapor pressure</b>	Not Determined	
<b>Vapor density</b>	Not Determined	
<b>Relative density</b>	0.89	g/cm3 @15°C
<b>Solubility(ies)</b>	negligible	
<b>Partition coefficient</b>	Not Determined	
<b>Autoignition temperature</b>	Not Determined	
<b>Decomposition temperature</b>	Not Determined	
<b>Kinematic viscosity</b>	> 20.6 cSt @ 40 °C	ASTM D 445
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing Properties</b>	Not applicable	

**Other Information**

<b>Viscosity, kinematic (100°C)</b>	Not Determined
<b>Pour Point</b>	Not Determined
<b>VOC Content (ASTM E-1868-10)</b>	Not Determined
<b>VOC content</b>	Not Determined

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

None under normal use conditions.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Aluminium.

**Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**Acute toxicity****Information on likely routes of exposure****Product Information - Principle Routes of Exposure**

<b>Inhalation</b>	None known.
<b>Eye contact</b>	None known.
<b>Skin contact</b>	None known.
<b>Ingestion</b>	None known.

**Symptoms** No information available.

**Numerical measures of toxicity - Product Information****Acute toxicity - Product Information**

Product does not present an acute toxicity hazard based on known information

**Acute toxicity - Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide	> 5000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity (single exposure)</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

**Exposure levels** See section 8 for more information

**Interactive effects** None known

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Zinc oxide		2.525: 96 h Brachydanio rerio mg/L LC50	2.6: 48 h Daphnia magna mg/L EC50

### Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

### Bioaccumulative potential

No information available

### Mobility

No information available

### Other adverse effects

No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### Safe handling and disposal methods

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

### Disposal of any contaminated packaging

Do not reuse empty containers.

### Environmental regulations

No information available

## SECTION 14: TRANSPORT INFORMATION

### **ADG**

<b>UN Number</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( ZINC OXIDE )
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Environmental hazard</b>	Yes
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable
<b>Special precautions for users</b>	No information available
<b>Hazchem emergency action code</b>	•3Z
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC

OXIDE), 9, III

According to special provision AU01 - Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.

**IMDG**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( ZINC OXIDE )
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS-No</b>	F-A, S-F
<b>Vessel Stowage Location Code</b>	A
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE), 9, III

**IATA**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( ZINC OXIDE )
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE), 9, III

<b>SECTION 15: REGULATORY INFORMATION</b>
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**Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Australia**

See section 8 for national exposure control parameters

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

**International Inventories**

Inventory information may be utilizing alternative CAS#s or exemptions beyond those stated within this document For further information, please contact: ProductStewardship@houghtonintl.com

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>AICS</b>	Complies
<b>PICCS</b>	Complies
<b>KECL</b>	Complies
<b>IECSC</b>	Complies
<b>ENCS</b>	Complies
<b>TCSI</b>	Complies
<b>NZIoC</b>	Does not Comply

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances  
**TCSI** - Taiwan National Existing Chemical Inventory  
**NZIoC** - New Zealand Inventory of Chemicals

#### International Regulations

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**Chemicals Subject to Prior Informed Consent (PIC)** Not applicable

### SECTION 16: OTHER INFORMATION

**Revision Date** 07-14-2017  
**Revision Note** Not applicable.

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	(s) - Skin	Skin designation
+	Sensitizers	C	Carcinogen

STOT SE - Specific target organ systemic toxicity (Single exposure)  
STOT RE - Specific target organ systemic toxicity (repeated exposure)  
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
VOC - Volatile organic compounds

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**