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# SAFETY DATA SHEET

### 1. Identification

Product identifier Molylube Mill Gear Grease Light

Product Code 301342 SDS number 6809

Other means of identification

Synonyms Old Product Code 76986; For Package Codes 301342XXXXXX

Product Code 301342

Recommended use of the chemical and restrictions on use

**Recommended use** Open Gear Lubricant

**Restrictions on use** Not available.

Details of manufacturer or importer

Manufacturer

Calumet Branded Products, LLC

GPO Darling Park Towers 2 201 Sussex St. Sydney AU NSW 2000 Australia

2780 Waterfront Pkwy E. Dr., Suite 200 Indianapolis, IN 46214

1 317 328 5660

CHEMTREC: 1800 069 100 (AUS)

## 2. Hazard(s) identification

### Classification of the hazardous chemical

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2A

**Environmental hazards** Not classified.

## Label elements, including precautionary statements

Hazard symbol(s)



Exclamation mark

Signal word Warning

**Hazard statement(s)** Causes serious eye irritation.

Precautionary statement(s)

**Prevention** Wash thoroughly after handling. Wear eye protection/face protection.

**Response** 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.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not

result in classification

None known.

**Supplemental information** None.

# 3. Composition/information on ingredients

Mixture

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Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Zinc, Dithiophosphate Di-c1-14-alkyl Esters	68649-42-3	1 - < 3
Other components below reportable levels		90 - 100

## 4. First-aid measures

## Description of necessary first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Personal protection for first-aid responders

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

Symptoms caused by exposure

Skin irritation.

Medical attention and special

treatment

Provide general supportive measures and treat symptomatically. Keep victim under observation.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Symptoms may be delayed.

### 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing

Water fog.

media

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire

fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear suitable protective equipment.

Hazchem code

None

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

#### 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**Environmental precautions** 

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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### 7. Handling and storage

Precautions for safe handling Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective

equipment. Observe good industrial hygiene practices.

Conditions for safe storage,

including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of

the SDS).

## 8. Exposure controls and personal protection

Control parameters Follow standard monitoring procedures.

Occupational exposure limits

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical

Compounds in the Work Area (DFG)

Form Components Value Type Zinc, Dithiophosphate TWA Inhalable fraction. 2 mg/m3 Di-c1-14-alkyl Esters (CAS 68649-42-3) 0.1 mg/m3 Respirable fraction.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Occupational Exposure Limits are not relevant to the current physical form of the product.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Always observe good personal hygiene measures, such as washing after handling the material and Hygiene measures

before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to

remove contaminants.

#### 9. Physical and chemical properties

**Appearance** 

Physical state Not available. **Form** Liquid. Paste. Color Not available. Odor Not available. **Odor threshold** Not available. pН Not available. Not available. Melting point/freezing point

Initial boiling point and

boiling range

302 °F (150 °C) estimated (Base Oil)

Flash point 503.6 °F (262.0 °C) Pensky-Martens Closed Cup (Base Oil)

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower Not available.

(%)

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Not available.

upper (%)

**Explosive limit - lower** 

(%)

Not available.

**Explosive limit - upper** 

(%)

Not available.

Vapor pressure 0.00001 hPa estimated

Density900.00 kg/m³Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Negligible

Solubility (other) Oil

Partition coefficient Not available.

(n-octanol/water)

**Auto-ignition temperature** 450 °F (232.22 °C) estimated (Base Oil)

**Decomposition temperature** Not available.

Viscosity 1570 cSt (Base Fluid)
Viscosity temperature 104 °F (40 °C) ASTM D445

Other physical and chemical parameters

Explosive properties

Flash point class

Oxidizing properties

Percent volatile

Specific gravity

VOC

Not explosive.

Combustible II

Not oxidizing.

< 0.1 %

0.9

< 0.1 %

#### 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

### Information on possible routes of exposure

InhalationNo adverse effects due to inhalation are expected.Skin contactNo adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye irritation.

**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to**Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

**exposure** vision. Skin irritation.

Acute toxicity Not available.

**Skin corrosion/irritation**Due to partial or complete lack of data the classification is not possible.

**Serious eye** Causes serious eye irritation.

damage/irritation

#### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

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Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Due to lack of data the classification is not possible.

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

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated

exposure

Due to lack of data the classification is not possible.

**Aspiration hazard** Not an aspiration hazard.

# 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

No data is available on the degradability of this product. Persistence and degradability

**Bioaccumulative potential** No data available.

Mobility in soil This product is miscible in water.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal methods** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product

residues. This material and its container must be disposed of in a safe manner (see: Disposal

instructions)

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

#### 14. Transport information

**ADG** 

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

### 15. Regulatory information

Safety, health and environmental regulations

**National regulations** This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the

preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

**Australia Medicines & Poisons Schedule 4** 

Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS for human internal use Exception may apply, see the regulation for

68649-42-3) relevance.

Australia National Pollutant Inventory (NPI): Threshold quantity

Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 10 TONNES/YR Threshold Category: 1

68649-42-3)

#### International regulations

Material name: Molylube Mill Gear Grease Light SDS AUSTRALIA

#### **International Inventories**

Inventory name	On inventory (yes/no)*
Australian Inventory of Chemical Substances (AICS)	Yes
Domestic Substances List (DSL)	Yes
Non-Domestic Substances List (NDSL)	No
Inventory of Existing Chemical Substances in China (IECSC)	Yes
European Inventory of Existing Commercial Chemical Substances (EINECS)	No
European List of Notified Chemical Substances (ELINCS)	No
Inventory of Existing and New Chemical Substances (ENCS)	No
Existing Chemicals List (ECL)	No
New Zealand Inventory	Yes
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Toxic Substances Control Act (TSCA) Inventory	Yes
	Australian Inventory of Chemical Substances (AICS)  Domestic Substances List (DSL)  Non-Domestic Substances List (NDSL)  Inventory of Existing Chemical Substances in China (IECSC)  European Inventory of Existing Commercial Chemical Substances (EINECS)  European List of Notified Chemical Substances (ELINCS)  Inventory of Existing and New Chemical Substances (ENCS)  Existing Chemicals List (ECL)  New Zealand Inventory  Philippine Inventory of Chemicals and Chemical Substances (PICCS)

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information

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**Disclaimer**Calumet Branded Products, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is

the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in

the sheet was written based on the best knowledge and experience currently available

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