according to Regulation (EC) No. 1907/2006

# PEERLESS TM/MC LLG

#### 000003001010

Version 5.0 Revision Date 2016/04/29



Print Date 2016/04/29

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : PEERLESS TM/MC LLG

Synonyms : High Temperature Long Life Grease.

Product code : PLLLGI30, PLLLGP17, PLLLGKGL, PLLLGDRL, PLLLG,

PLLLGC30

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the : Peerless LLG Grease is a calcium sulphonate complex Substance/Mixture thickened grease designed for long life at high temperate

thickened grease designed for long life at high temperature multipurpose automotive and industrial applications such as

chassis, bearings and oven conveyors.

1.3 Details of the supplier of the safety data sheet

Manufacturer or supplier's details

Petro-Canada Europe Lubricants Limited

Wellington House, Starley Way

Birmingham International Park Solihull B37 7HB

United Kingdom

E-mail address of person

responsible for the SDS

: EUSDS@suncor.com

1.4 Emergency telephone number

Emergency telephone

Suncor Energy: +1 403-296-3000;

number

Poison Control Centre: Consult local telephone directory for

emergency number(s).

**SECTION 2: Hazards identification** 

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : Prevention:

P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

## **Additional Labelling:**

EUH208 May produce an allergic reaction.

Contains: Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts and Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts and calcium dodecylbenzenesulphonate

## 2.3 Other hazards

None known.

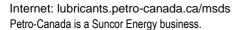
## **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

## **Hazardous components**

Chemical Name	CAS-No.	Classification	Concentration
	EC-No.		
	Registration number		
Benzenesulfonic acid, mono-C16-	70024-69-0	Skin Sens. 1B; H317	1 - 10 %
24-alkyl derivs., calcium salts	274-263-7		
Sulfonic acids, petroleum, calcium	61789-86-4	Skin Sens. 1B; H317	1 - 10 %
salts	263-093-9		
Benzenesulfonic acid, C10-16-	68584-23-6	Skin Sens. 1B; H317	1 - 10 %
alkyl derivs., calcium salts	271-529-4		
4,4'-methylene	10254-57-6	Aquatic Chronic 4;	1 - < 10 %
bis(dibutyldithiocarbamate)	233-593-1	H413	
calcium	26264-06-2	Skin irr/cor. 2; H315	1 - 3 %
dodecylbenzenesulphonate	247-557-8	Eye irr/damage 1;	
		H318	

For explanation of abbreviations see section 16.





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#### **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

If inhaled : Move to fresh air.

Artificial respiration and/or oxygen may be necessary.

Seek medical advice.

In case of skin contact : In case of contact, immediately flush skin with plenty of water

for at least 15 minutes while removing contaminated clothing

and shoes.

Wash skin thoroughly with soap and water or use recognized

skin cleanser.

Wash clothing before reuse.

Seek medical advice.

In the event of a known, or potential, high pressure injection injury, worker should obtain immediate medical evaluation.

In case of eye contact : Remove contact lenses.

Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Obtain medical attention.

If swallowed : Rinse mouth with water.

DO NOT induce vomiting unless directed to do so by a

physician or poison control center.

Never give anything by mouth to an unconscious person.

Seek medical advice.

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

Risks : First aider needs to protect himself.

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

## **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: No information available.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Cool closed containers exposed to fire with water spray.

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Hazardous combustion

products

: Carbon oxides (CO, CO2), sulphur oxides (SOx), calcium oxides (CaOx), smoke and irritating vapours as products of

incomplete combustion.

5.3 Advice for firefighters

Further information : Prevent fire extinguishing water from contaminating surface

water or the ground water system.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Material can create slippery conditions.

Mark the contaminated area with signs and prevent access to

unauthorized personnel.

Only qualified personnel equipped with suitable protective

equipment may intervene.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the

environment.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.

Remove all sources of ignition.

Soak up with inert absorbent material.

Non-sparking tools should be used.

Ensure adequate ventilation.

Contact the proper local authorities.

### 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

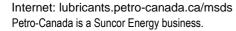
Smoking, eating and drinking should be prohibited in the

application area.

Use only with adequate ventilation.

In case of insufficient ventilation, wear suitable respiratory

equipment.





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Avoid contact with skin, eyes and clothing.

Do not ingest.

Keep away from heat and sources of ignition. Keep container closed when not in use.

Advice on protection against

fire and explosion

: None known.

Hygiene measures : Remove and wash contaminated clothing and gloves,

including the inside, before re-use. Wash face, hands and any

exposed skin thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

#### 7.3 Specific end use(s)

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

## 8.2 Exposure controls

#### **Engineering measures**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

Material : neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

Remarks : Chemical-resistant, impervious gloves complying with an

approved standard should be worn at all times when handling

chemical products if a risk assessment indicates this is

necessary.

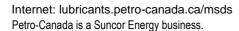
Skin and body protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to

the specific work-place.

Respiratory protection : Use respiratory protection unless adequate local exhaust

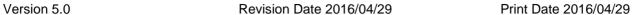
ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.



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Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe

working limits of the selected respirator.

Filter type : organic vapour filter

Protective measures : Wash contaminated clothing before re-use.

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Appearance : Semi-solid.

Colour : Burgundy

Odour : Mild petroleum oil like.

Odour Threshold : No data available pH : No data available

Pour point : -15 °C (5 °F)Mineral Oil Blend

Boiling point/boiling range : No data available Flash point : 256 °C (493 °F)

Method: Cleveland open cup Remarks: Mineral Oil Blend

Fire Point : 288 °C (550 °F)

Mineral Oil Blend

Auto-Ignition Temperature : No data available Evaporation rate : No data available

Flammability (solid, gas) : Low fire hazard. This material must be heated before ignition

will occur.

Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available

Relative vapour density

No data available

Density : 0.9875 kg/l (15 °C / 59 °F)

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

: No data available

Viscosity





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Viscosity, kinematic : 100 cSt (40 °C / 104 °F)

Mineral Oil Blend

10.8 cSt (100 °C / 212 °F)

Mineral Oil Blend

Explosive properties : Do not pressurise, cut, weld, braze, solder, drill, grind or

expose containers to heat or sources of ignition.

9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

Stable under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Reactive with oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition

products

: May release COx, SOx, CaOx, smoke and irritating vapours

when heated to decomposition.

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Information on likely routes of : Eye contact

exposure

Ingestion
Inhalation
Skin contact

**Acute toxicity** 

**Product:** 

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

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Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

**Product:** 

Remarks: No data available

Serious eye damage/eye irritation

**Product:** 

Remarks: No data available

## **SECTION 12: Ecological information**

### 12.1 Toxicity

**Product:** 

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other : Remarks: No data available

aquatic invertebrates

Toxicity to algae : Remarks: No data available

Toxicity to bacteria

Remarks: No data available

## 12.2 Persistence and degradability

**Product:** 

: Remarks: No data available Biodegradability

# 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

No data available

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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Offer surplus and non-recyclable solutions to a licensed

disposal company.

Waste must be classified and labelled prior to recycling or

disposal.

Send to a licensed waste management company.

Dispose of product residue in accordance with the instructions

of the person responsible for waste disposal.

## **SECTION 14: Transport information**

## **International Regulation**

#### IATA-DGR

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

ADR: Not Regulated ADN: Not Regulated RID: Not Regulated

## **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 2 water endangering

(Germany)

## The components of this product are reported in the following inventories:

DSL : On the inventory, or in compliance with the inventory

**TSCA** : All chemical substances in this product are either listed on the

TSCA Inventory or are in compliance with a TSCA Inventory

exemption.

**IECSC** : On the inventory, or in compliance with the inventory

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ELINCS : On the inventory, or in compliance with the inventory

## **15.2 Chemical Safety Assessment**

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage.

H413 : May cause long lasting harmful effects to aquatic life.

#### Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity

Eye irr/damage : Serious eye damage/eye irritation

Skin irr/cor. : Skin corrosion/irritation Skin Sens. : Skin sensitisation

**Further information** 

For Copy of (M)SDS : Internet: lubricants.petro-canada.ca/msds

Europe, telephone: 00-800-7387-6000

For Product Safety Information: 1 905-804-4752

Prepared by : Product Safety: +1 905-804-4752

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