

Version 3.7

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

1.1 Product identifier	
Product name :	PRECISION ™ XL EP00
Product code :	PXL00P17, PXL00KGL, PXL00, PXL00DRL
1.2 Relevant identified uses of the s	substance or mixture and uses advised against
Use of the : Substance/Mixture	Precision XL EP00 grease is designed for trouble-free lubrication of a wide range of automotive and industrial equipment.
1.3 Details of the supplier of the saf	iety data sheet
Manufacturer or supplier's details	
	HollyFrontier LSP Europe BV Mainhavenweg 6 1043 AL Amsterdam The Netherlands
Telephone :	+31 (0)85 4000080
E-mail address of person : responsible for the SDS	EUSDS@hfsinclair.com

### **1.4 Emergency telephone number**

Emergency telephone	:	CHEMTREC: +1-703-741-5970;
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)

Not a hazardous substance or mixture.

### 2.2 Label elements

# Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### **Additional Labelling**

- EUH208 Contains Succinic Anhydride, Alkylation Products With C12-Rich Branched Olefins From Propene Oligomerisation, Hydrolyzed, Esterification Products with propylene oxide. May produce an allergic reaction.
- EUH210 Safety data sheet available on request.



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# 2.3 Other hazards

None known.

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

### 3.2 Mixtures

### Components

Obernieglager		Oleasification	O an a sutration
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Lubricating oils (petroleum), C15-	72623-86-0	Asp. Tox. 1; H304	10 - 20
30, hydrotreated neutral oil-based;			
Baseoil — unspecified	276-737-9		
•	649-482-00-X		
	01-2119474878-16-		
	0001		
Succinic Anhydride, Alkylation		Eye Dam. 2; H319	0.1 - 1
Products With C12-Rich Branched		Skin Sens. 1B; H317	
Olefins From Propene	943-535-3		
Oligomerisation, Hydrolyzed,			
Esterification Products with			
propylene oxide			
Ear explanation of obbreviations as		•	

For explanation of abbreviations see section 16.

# **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	<ul> <li>In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.</li> <li>Wash skin thoroughly with soap and water or use recognized skin cleanser.</li> <li>Wash clothing before reuse.</li> <li>Seek medical advice.</li> <li>In the event of a known, or potential, high pressure injection injury, worker should obtain immediate medical evaluation.</li> </ul>
In case of eye contact	<ul> <li>Remove contact lenses.</li> <li>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.</li> <li>Obtain medical attention.</li> </ul>
If swallowed	<ul> <li>Rinse mouth with water.</li> <li>DO NOT induce vomiting unless directed to do so by a physician or poison control center.</li> <li>Never give anything by mouth to an unconscious person.</li> <li>Seek medical advice.</li> </ul>



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### 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.
Hazardous combustion products	: Carbon oxides (CO, CO2), sulphur oxides (SOx), hydrogen sulphide (H2S), alkyl mercaptans, sulfides, 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	<ul> <li>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.</li> </ul>
6.2 Environmental precautions	equipment may intervene.

# 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.

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### 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. 2 Smoking, eating and drinking should be prohibited in the application area. Do not ingest. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat and sources of ignition. Keep container closed when not in use. Advice on protection against : None known. fire and explosion Hygiene measures Remove and wash contaminated clothing and gloves, 5 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 equipmen	t
Eye protection :	Wear face-shield and protective suit for abnormal processing problems.
Hand protection Material :	neoprene, nitrile, polyvinyl alcohol (PVA), Viton <sup>®</sup> .
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
araati lubriaanta natra aanada aam/ad	

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# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 **PRECISION <sup>™</sup> XL EP00**



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		necessary.	
Skin and body protection	:	Choose body protection in relation to its typ concentration and amount of dangerous su the specific work-place.	
Respiratory protection	:	Use respiratory protection unless adequate ventilation is provided or exposure assess that exposures are within recommended ex Respirator selection must be based on kno exposure levels, the hazards of the product working limits of the selected respirator.	ment demonstrates kposure guidelines. wwn or anticipated
Filter type	:	organic vapour filter	
Protective measures	:	Wash contaminated clothing before re-use	

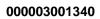
# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state	:	Buttery, smooth, semi-solid
Colour	:	green
Odour	:	Mild grease like.
Odour Threshold	:	No data available
Pour point	:	-15 °C
		Base Fluid Blend
Boiling point/boiling range	:	No data available
Flash point	:	241 °C
		Method: Cleveland open cup Base Fluid Blend
Fire Point	:	265 °C Base Fluid Blend
Auto-Ignition Temperature	:	No data available
Evaporation rate	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available

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Relative vapour density	:	No data available	
Relative density	:	No data available	
Density	:	0.8632 kg/l (15 °C)	
Solubility(ies) Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Viscosity Viscosity, kinematic	:	117.3 cSt (40 °C) Base Fluid Blend 13.6 cSt (100 °C) Base Fluid Blend	
Flammability Explosive properties	:	Low fire hazard. This material must be hea will occur. Do not pressurize, cut, weld, braze, solde expose containers to heat or sources of ig	r, drill, grind or

# 9.2 Other information

No data available

# **SECTION 10: Stability and reactivity**

# 10.1 Reactivity

lity	
azardous reactio	ons
ions :	Hazardous polymerisation does not occur.Stable under normal conditions.
void	
oid :	No data available
aterials	
d :	Reactive with oxidising agents and reducing agents.
omposition prod	lucts
mposition :	May release COx, SOx, POx, H2S, sulfides, alkyl mercaptans diphenylamine, alkenes, smoke and irritating vapours when heated to decomposition.
	azardous reactic ions : void bid : aterials d : omposition prod

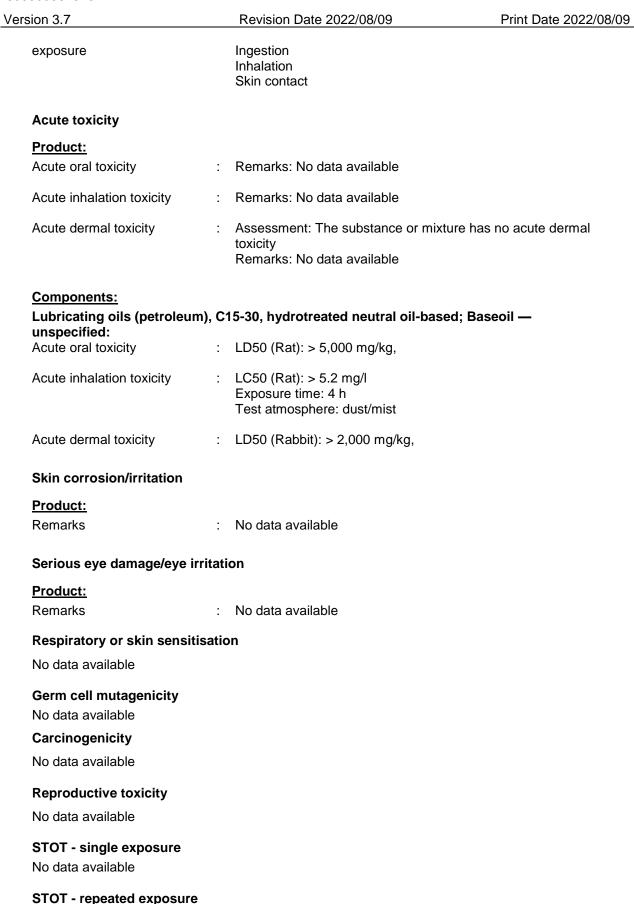
# **SECTION 11: Toxicological information**

# 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of : Eye contact Internet: lubricants.petro-canada.com/sds Trademarks are owned or used under license.

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No data available

# **SECTION 12: Ecological information**

### 12.1 Toxicity

# Product:

Toxicity to fish	:	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No data available
Toxicity to algae/aquatic plants	:	Remarks: No data available
Toxicity to microorganisms	:	Remarks: No data available

# 12.2 Persistence and degradability

# Product:

Biodegradability : Remarks: No data available

### 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 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

No data available

# **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.



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# **SECTION 14: Transport information**

#### International Regulations

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

Remarks	: 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 hazard class (Germany)	: WGK 1 slightly hazardous to water
The components of this produ	ict 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.

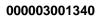
### 15.2 Chemical safety assessment

# **SECTION 16: Other information**

Full text of H-Stateme	ents			
H304 H317		<i>I</i> ay be fatal if swallowed and enters airways. <i>I</i> ay cause an allergic skin reaction.		
H319	: 0	Causes serious eye irritation.		
Full text of other abbreviations				
Asp. Tox.	: A	Aspiration hazard		
Eye Dam.		Serious eye damage/eye irritation		
Skin Sens.	: 5	Skin sensitisation		

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada);

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ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice: IARC - International Agency for Research on Cancer: IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level: NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

For Copy of SDS	: Internet: lubricants.petro-canada.com/sds Europe, telephone: 00-800-7387-6000 For Product Safety Information: 1 905-491-0565

Prepared by

: Product Safety: +1 905-491-0565

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