according to Regulation (EC) No. 1907/2006

PRECISION TM/MC XL EP2





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

1.1 Product identifier

: PRECISION TM/MC XL EP2 Product name

Product code : PXL2P17, PXL2KGL, PXL2DRL, PXL2CBG, PXL2C30, PXL2,

PXL2BLK

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

Use of the : PRECISION XL EP greases are high performance, long life, Substance/Mixture

EP greases designed for trouble-free lubrication of a wide

range of automotive and industrial equipment.

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

number

Suncor Energy: +1 403-296-3000;

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)

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting

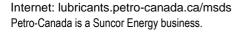
effects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause

long-term adverse effects in the aquatic

environment.





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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting

effects.

Precautionary statements : Prevention:

> P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an

approved waste disposal plant.

Additional Labelling:

May produce an allergic reaction. **EUH208**

Contains: Long-chain alkyl amine

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Paraffin oils	8012-95-1 232-384-2	R65	Asp. Tox. 1; H304	70 - 90
distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0 265-169-7		Asp. Tox. 1; H304	10 - 20
bis(nonylphenyl)amine	36878-20-3 253-249-4	R53	Aquatic Chronic 4; H413	1 - 2.5
Alkylphenol		Xi-N; R38- R50/53	Skin irr/cor. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.25 - 1
Antimony dialkyldithiocarbamate		R20/22-R51/53	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Chronic 2; H411	0.25 - 1
Phenol, isobutylenated, phosphate (3:1)	68937-40-6 273-065-8	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.25 - 1

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triphenyl phosphate	115-86-6 204-112-2	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.1 - 0.25
Long-chain alkyl amine		T-Xn-C-N; R23/24-R22- R48/20-R34- R43-R50/53	Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 4; H302 STOT RE 2; H373 Skin irr/cor. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.1 - 0.15
Long-chain alkenyl amine		Xn-C-N; R22- R48/22-R34- R37-R50	Acute Tox. 4; H302 STOT RE 2; H373 Skin irr/cor. 1B; H314 STOT SE 3; H335 Aquatic Acute 1; H400	0.1 - 0.25

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 : In case of contact, immediately flush eyes or 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.

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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.

Hazardous combustion

products

: Carbon oxides (CO, CO2), sulphur oxides (SOx), nitrogen oxides (NOx), phosphorus oxides (POx), sulphur compounds (H2S), 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.

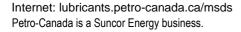
Only qualified personnel equipped with suitable protective

equipment may intervene.

6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform

respective authorities.



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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.

In case of insufficient ventilation, wear suitable respiratory

equipment.

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 : Wash face, hands and any exposed skin thoroughly after

handling. Remove and wash contaminated clothing and

gloves, including the inside, before re-use.

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.

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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 if splashing hazard is likely.

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. 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 hands and face before breaks and immediately after

handling the product.

Wash contaminated clothing before re-use.

Ensure that eyewash station and safety shower are proximal

to the work-station location.

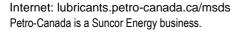
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Stringy, smooth, semi-solid.

Colour : green

Odour : Mild grease like.



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Odour Threshold : No data available pH : No data available

Pour point : -12 °C (10 °F)Mineral Oil Blend

Boiling point/boiling range : No data available Flash point : 290 °C (554 °F)

Method: Cleveland open cup Remarks: Mineral Oil Blend

Fire Point : 300 °C (572 °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 : 0.9083 kg/l (15 °C / 59 °F)

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

: No data available

Viscosity

Viscosity, kinematic : 219.9 cSt (40 °C / 104 °F)

Mineral Oil Blend

17.9 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



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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, reducing agents, acids and

alkalis.

10.6 Hazardous decomposition products

Hazardous decomposition

products

: May release COx, NOx, SOx, POx, H2S, ammonia, 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

Eye contact Ingestion

Inhalation Skin contact

Acute toxicity

Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Components:

distillates (petroleum), solvent-dewaxed heavy paraffinic:

Acute oral toxicity : LD50 Rat: > 5,000 mg/kg,



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Acute dermal toxicity : LD50 Rabbit: > 5,000 mg/kg,

triphenyl phosphate:

Acute oral toxicity : LD50 Rat: 3,500 mg/kg,

LD50 Mouse: 1,320 mg/kg,

Acute dermal toxicity : LD50 Rabbit: > 7,900 mg/kg,

Skin corrosion/irritation

Product:

Remarks: No data available

Components:

distillates (petroleum), solvent-dewaxed heavy paraffinic:

Result: No skin irritation

Serious eye damage/eye irritation

Product:

Remarks: No data available

Components:

distillates (petroleum), solvent-dewaxed heavy paraffinic:

Result: No eye irritation

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

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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 : 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:

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 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 as hazardous waste in compliance with local and

national regulations.

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 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.

49 CFR

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15: Regulatory information

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

Water contaminating class

(Germany)

: WGK 2 water endangering

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.

ELINCS : At least one component is not listed in EINECS but all such

components are listed in ELINCS.

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of R-Phrases

R20/22 : Harmful by inhalation and if swallowed.

R22 : Harmful if swallowed.

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R23/24 : Toxic by inhalation and in contact with skin.

R34 : Causes burns.

R37 : Irritating to respiratory system.

R38 : Irritating to skin.

R43 : May cause sensitisation by skin contact.

R48/20 : Harmful: danger of serious damage to health by prolonged

exposure through inhalation.

R48/22 : Harmful: danger of serious damage to health by prolonged

exposure if swallowed.

R50 : Very toxic to aquatic organisms.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

R53 : May cause long-term adverse effects in the aquatic

environment.

R65 : Harmful: may cause lung damage if swallowed.

Full text of H-Statements

H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H311 : Toxic in contact with skin.

H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H331 : Toxic if inhaled. H332 : Harmful if inhaled.

H335 : May cause respiratory irritation.

H373 : May cause damage to organs through prolonged or repeated

exposure.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.H411 : Toxic to aquatic life with long lasting effects.

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

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Skin irr/cor. : Skin corrosion/irritation
Skin Sens. : Skin sensitisation

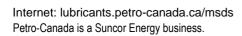
STOT RE : Specific target organ toxicity - repeated exposure STOT SE : Specific target organ toxicity - single exposure

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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