

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

PURITY^{TM/MC} FG PENETRATING OIL SPRAY



000003000276

Version 3.0

Revision Date 2015/03/19

Print Date 2015/03/19

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

1.1 Product identifier

Product name : PURITY^{TM/MC} FG PENETRATING OIL SPRAY

Product code : PFPO, PFPOB12

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

Use of the Substance/Mixture : Aerosol spray lubricant.
NSF H1 Registered.

All components comply with FDA 21 CFR 178.3570 "Lubricants with Incidental Food Contact". It is intended for application on industrial and food equipment. It should not be added directly to the food product.

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)

Flammable aerosols, Category 2

H223: Flammable aerosol.

H229: Pressurised container: May burst if heated.

Skin irritation, Category 2

H315: Causes skin irritation.

Specific target organ toxicity - single

H336: May cause drowsiness or dizziness.

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exposure, Category 3

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

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

Flammable

R10: Flammable.

Irritant

R38: Irritating to skin.

R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

: Danger

Hazard statements

: H223 Flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P251 Pressurized container: Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

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	CENTER or doctor/ physician if you feel unwell.
P331	Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
Storage:	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
Disposal:	
P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
distillates (petroleum), hydrotreated light

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 (%)
distillates (petroleum), hydrotreated light	64742-47-8 265-149-8	Xn; R65 Xi; R38-R67- R10	Asp. Tox. 1; H304 Skin irr/cor. 2; H315 STOT SE 3; H336	60 - 70
White mineral oil (petroleum)	8042-47-5 232-455-8			30 - 40
carbon dioxide	124-38-9 204-696-9			1 - 3
Substances with a workplace exposure limit :				
carbon dioxide	124-38-9 204-696-9			1 - 3

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 contaminated clothing before reuse.
Seek medical advice. |
| 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 | : Powder, carbon dioxide.
Alcohol-resistant foam
Water spray
Water
Dry chemical |
| Unsuitable extinguishing media | : Do NOT use water jet. |

5.2 Special hazards arising from the substance or mixture

- | | |
|-------------------------|------------------------------------------------------------|
| Specific hazards during | : Cool closed containers exposed to fire with water spray. |
|-------------------------|------------------------------------------------------------|

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firefighting

Hazardous combustion products : Carbon oxides (CO, CO₂), smoke and irritating vapours as products of incomplete combustion.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and full protective wear. Wear a positive-pressure supplied-air respirator with full facepiece.

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.
Keep people away from and upwind of spill/leak.
Remove all sources of ignition.
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.
Do not allow uncontrolled discharge of product into the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Remove all sources of ignition.
Non-sparking tools should be used.
Use explosion-proof ventilation equipment.
Prevent entry into basements or confined areas.
Prevent further leakage or spillage if safe to do so.
Soak up with inert absorbent material.
Ensure adequate ventilation.
Contact the proper local authorities.

6.4 Reference to other sections

For personal protection see section 8.

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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.
Do not ingest.
Avoid contact with skin, eyes and clothing.
Avoid breathing gas.
Use only with adequate ventilation.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking. Keep away from children.
Do not breathe vapours or spray mist.
Keep away from heat and sources of ignition.
- 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 : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. 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. Take measures to prevent the build up of electrostatic charge.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures

Adequate ventilation to ensure that Occupational Exposure Limits are not exceeded.

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Use explosion-proof ventilation equipment.

Ensure that eyewash station and safety shower are proximal to the work-station location.

Personal protective equipment

Eye protection : Safety glasses with side-shields
Safety goggles

Hand protection
Material : neoprene, nitrile. Consult your PPE provider for breakthrough times and the specific glove that is best for you based on your use patterns. It should be realized that eventually any material regardless of their imperviousness, will get permeated by chemicals. Therefore, protective gloves should be regularly checked for wear and tear. At the first signs of hardening and cracks, they should be changed.

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 contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : aerosol

Colour : Clear.

Odour : odourless

Odour Threshold : No data available

pH : No data available

Melting point : estimated -58 °C (-72 °F)

Boiling point : estimated 218 °C (424 °F)

Flash point : 93.3 °C (199.9 °F)
Method: Tag closed cup

Fire Point : No data available

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Auto-Ignition Temperature	:	estimated 200 °C (392 °F) Method: Auto-ignition temperature
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Flammable aerosol
Upper explosion limit	:	5.5 %(V)
Lower explosion limit	:	0.6 %(V)
Vapour pressure	:	No data available
Relative vapour density	:	> 1
Relative density	:	estimated 0.82
Density	:	No data available
Solubility(ies)	:	
Water solubility	:	negligible
Partition coefficient: n-octanol/water	:	No data available
Viscosity	:	
Viscosity, kinematic	:	No data available
Explosive properties	:	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Container explosion may occur under fire conditions or when heated. Ruptured cylinders may rocket.

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 : Heat, flames and sparks.

10.5 Incompatible materials

Internet: lubricants.petro-canada.ca/msds
Petro-Canada is a Suncor Energy business.

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Materials to avoid : Reactive with oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition products : May release COx, smoke and irritating vapours when heated to decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Eye contact
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:

White mineral oil (petroleum):

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

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Product:

Remarks: There is no data available for this product.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

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No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

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 : 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

Product:

Additional ecological information : Remarks: 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 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.

SECTION 14: Transport information

International Regulation

IATA-DGR

UN/ID No. : 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
Packing group : Not Assigned
Labels : 2.1
Packing instruction (cargo aircraft) : 203

IMDG-Code

UN number : 1950
Proper shipping name : AEROSOLS, LIMITED QUANTITY
Class : 2.1
Packing group : Not Assigned
Labels : 2.1
EmS Code : F-D, S-U
Marine pollutant : no

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

Not applicable for product as supplied.

Special precautions for user

Not applicable

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SECTION 15: Regulatory information

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

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

- DSL : Listed on the inventory, or in compliance with the inventory
- TSCA : On TSCA Inventory
- IECSC : On the inventory, or in compliance with the inventory
- EINECS : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of R-Phrases

- R10 : Flammable.
- R38 : Irritating to skin.
- R65 : Harmful: may cause lung damage if swallowed.
- R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

- H304 : May be fatal if swallowed and enters airways.
- H315 : Causes skin irritation.
- H336 : May cause drowsiness or dizziness.

Full text of other abbreviations

- Asp. Tox. : Aspiration hazard
- Skin irr/cor. : Skin corrosion/irritation
- 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

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.

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