

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## PURITY<sup>TM/MC</sup> FG PENETRATING OIL SPRAY

000003000276



Version 3.4

Revision Date 2022/08/16

Print Date 2022/08/16

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

#### 1.1 Product identifier

Product name : PURITY<sup>TM/MC</sup> FG PENETRATING OIL SPRAY

Product code : PFPO, PFPOB12

Unique Formula Identifier (UFI) : A281-WND1-2801-E8T5

#### 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

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 number : CHEMTREC: +1-703-741-5970;  
Poison Control Centre: Consult local telephone directory for emergency number(s).  
Please refer to Section 15 for the European Poison Center Phone Numbers.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Aerosols, Category 2 H223: Flammable aerosol.  
H229: Pressurised container: May burst if heated.

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters airways.

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### 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.  
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.

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

#### Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Hazardous components which must be listed on the label:

Distillates (petroleum), hydro- treated light; Kerosine — unspecified

### 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Distillates (petroleum), hydro-treated light; Kerosine — unspecified	64742-47-8  265-149-8 649-422-00-2	Asp. Tox. 1; H304	60 - 70
White mineral oil (petroleum)	8042-47-5  232-455-8	Asp. Tox. 1; H304	30 - 40

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carbon dioxide	124-38-9	Press. Gas Compr. Gas;	1 - 3
	204-696-9		

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 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 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 : Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray  
Alcohol-resistant foam  
Water fog
- Unsuitable extinguishing media : Do NOT use water jet.

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

- Specific hazards during firefighting : If the product release cannot be shut off safely, allow the product to burn itself out.

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Cool closed containers exposed to fire with water spray.

Hazardous combustion products : Carbon oxides (CO, CO<sub>2</sub>), 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.

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## 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.  
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 : Prevent further leakage or spillage if safe to do so.  
Remove all sources of ignition.  
Non-sparking tools should be used.  
Use explosion-proof ventilation equipment.  
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.

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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)

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## 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.  
Use explosion-proof ventilation equipment.

#### Personal protective equipment

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

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.

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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 contaminated clothing before re-use.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	: Aerosol containing a compressed gas
Colour	: Clear.
Odour	: odourless
Odour Threshold	: No data available
Melting point/freezing point	: estimated -56.2 °C
Boiling point/boiling range	: estimated 218 °C
Flash point	: 93.3 °C Method: Tag closed cup
Fire Point	: No data available
Auto-Ignition Temperature	: estimated 215 °C
Evaporation rate	: No data available
Upper explosion limit / Upper flammability limit	: estimated 5.5 %(V)
Lower explosion limit / Lower flammability limit	: estimated 0.6 %(V)

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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
Flammability	:	Flammable aerosol.
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.
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### 10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks.
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### 10.5 Incompatible materials

Materials to avoid	:	Reactive with oxidising agents.
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### 10.6 Hazardous decomposition products

Hazardous decomposition products	:	May release CO <sub>x</sub> , smoke and irritating vapours when heated to decomposition.
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## SECTION 11: Toxicological information

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

Information on likely routes of exposure	:	Eye contact Inhalation
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Internet: [lubricants.petro-canada.com/sds](http://lubricants.petro-canada.com/sds)

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Petro-Canada Lubricants is a HF Sinclair brand

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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

### Skin corrosion/irritation

#### Product:

Remarks : No data available

### Serious eye damage/eye irritation

#### Product:

Remarks : No data available

### 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

#### Product:

May be fatal if swallowed and enters airways.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available



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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

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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.

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## SECTION 14: Transport information

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, flammable  
Class : 2.1

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Packing group : Not assigned by regulation  
Labels : Flammable Gas  
Packing instruction (cargo aircraft) : 203

### IMDG-Code

UN number : UN 1950  
Proper shipping name : AEROSOLS LIMITED QUANTITY

Class : 2.1  
Packing group : Not assigned by regulation  
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

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Remarks : ADR: UN1950, AEROSOLS, 2.1  
ADN: UN1950, AEROSOLS, 2.1  
RID: UN1950, AEROSOLS, 2.1

## SECTION 15: Regulatory information

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

Water hazard class : WGK 1 slightly hazardous to water  
(Germany)

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

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

TSCA : On TSCA Inventory

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

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

#### : European Poison Center Phone Numbers

: Belgium - 070 245 245

: Czech Republic - +420 224 919 293

: France - + 33 (0) 1 45 42 59 59

: Ireland - 01 809 2166

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- : Italy -
  - Rome: 06 68593726
  - Foggia: 800183459
  - Naples: 081-5453333
  - Rome: 06-49978000
  - Rome: 06-3054343
  - Florence: 055-7947819
  - Pavia: 0382-24444
  - Milan: 02-66101029
  - Bergamo: 800883300
  - Verona: 800011858
- : Lithuania - +370 687 533 78
- : Netherlands - +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in case of acute intoxications.)
- : Poland - +48 71 343 30 08

### 15.2 Chemical safety assessment

#### SECTION 16: Other information

##### Full text of H-Statements

H304 : May be fatal if swallowed and enters airways.

##### Full text of other abbreviations

Asp. Tox. : Aspiration hazard  
Press. Gas : Gases under pressure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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); 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

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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](https://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

### Classification of the mixture:

Aerosol 2 H223, H229  
Asp. Tox. 1 H304

### Classification procedure:

Based on product data or assessment  
Based on product data or assessment

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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