



# FVP PENETRATING OIL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 07/12/18

Version: 1.1

**1**

Product form : Mixture  
 Trade name : FVP PENETRATING OIL  
 Product code : FVPPENOIL-11

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

Use of the substance/mixture : Lubricating Spray

### 1.3. Details of the supplier of the safety data sheet

Factory Motor Parts  
 1380 Corporate Center Curve, Suite 200  
 Eagan, MN 55121  
 (866) 387-3343

### 1.4. Emergency telephone number

Emergency number : Infotrac 1-800-535-5053

## 2 Classification (GHS-US)

Flam. Aerosol 1 H222  
 Compressed gas H280  
 Asp. Tox. 1 H304

Full text of H-phrases: see section 16

## GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

GHS04

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H222 - Extremely flammable aerosol

H280 - Contains gas under pressure; may explode if heated

H304 - May be fatal if swallowed and enters airways

Precautionary statements (GHS-US) : P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking

P211 - Do not spray on an open flame or other ignition source

P251 - Pressurized container: Do not pierce or burn, even after use

P301+P310 - If swallowed: Immediately call a poison control center, doctor, physician, P331 - Do NOT induce vomiting

P405 - Store locked up

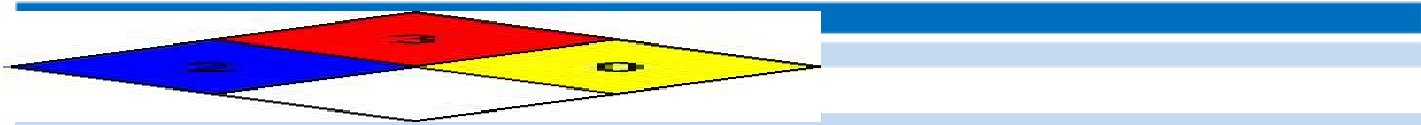
P410+P403 - Protect from sunlight. Store in a well-ventilated place

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

**2**  
 Other hazards not contributing to the classification : Contains gas under pressure; may explode if heated.

### 2.4. Unknown acute toxicity (GHS-US)

No data available



### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Distillates (Petroleum), Hydrotreated Light	(CAS No) 64742-47-8	>= 95	Asp. Tox. 1, H304
Carbon Dioxide, Liquefied, Under Pressure	(CAS No) 124-38-9	1 - 5	Compressed gas, H280
Oleic Acid	(CAS No) 112-80-1	1 - 5	Not classified

The exact percentage is a trade secret.

03/06/2015

EN (English US)

1/1



o an unconscious person. If you feel unwell, seek where possible).

- |  |   |
|--|---|
| First-aid measures after inhalation                            | : Cough. Allow victim to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact                          | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact                           | : Direct contact with the eyes is likely to be irritating. Rinse immediately with plenty of water.                |
| Obtain medical attention if pain, blinking or redness persist. |   |
| First-aid measures after ingestion                             | : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.                      |

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

- |                                      |  |                        |
|--------------------------------------|--|------------------------|
| Symptoms/injuries                    | : If you feel unwell, seek medical advice. Symptoms/injuries after inhalation  | : Shortness of breath. |
| Symptoms/injuries after skin contact | : May cause slight irritation . May cause moderate irritation. Red skin.   |                        |
| Symptoms/injuries after eye contact  | : May cause slight eye irritation . May cause severe irritation. Redness of the eye tissue. Inflammation/damage of the eye tissue. |                        |
| Symptoms/injuries after ingestion    | : May be fatal if swallowed and enters   |                        |

airways.

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

No additional information available

#### 5.1. Extinguishing media

- |                                      |  |
|--------------------------------------|--|
| Suitable extinguishing media         | : Foam. Dry powder. Carbon dioxide. Water spray. |
| Sand. Unsuitable extinguishing media | : Do not use a heavy water stream.               |

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

- |                  |   |
|------------------|---|
| Fire hazard      | : Extremely flammable aerosol.  |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |

### 5

- |  |  |
|--|--|
| Firefighting instructions                                    | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area. |
| Protection during firefighting protection. Other information | : Do not enter fire area without proper protective equipment, including respiratory : Aerosol level 3.   |

### 6

- |                  |   |
|------------------|---|
| General measures | : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges. |
|------------------|---|

#### 6.1.1. For non-emergency personnel

- |                                 |                           |
|---------------------------------|---------------------------|
| Protective equipment            | : Gloves. Safety glasses. |
| Emergency procedures personnel. | : Evacuate unnecessary    |

#### 6.1.2. For emergency responders

- |                                  |                                  |
|----------------------------------|----------------------------------|
| Protective equipment             | : Equip cleanup crew with proper |
| protection. Emergency procedures | : Ventilate area.                |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- |                 |  |
|-----------------|--|
| For containment | : Dam up the liquid spill. Plug the leak, cut off the supply. Contain released substance, pump into suitable containers. |
|-----------------|--|

Methods for cleaning up : Store away from other materials.

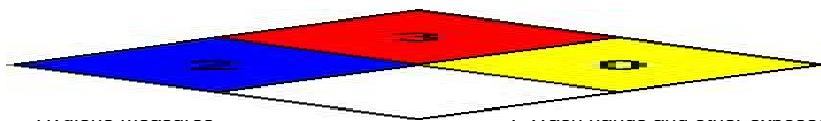


#### 6.4. Reference to other sections

#### 7.1. Precautions for safe handling

Additional hazards when processed

: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.



Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good revent formation of vapor. Do not spray on an open flame or

Wash affected areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. Wash contaminated clothing before reuse. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Remove contaminated clothes.

**7.2. Conditions for safe storage, including any incompatibilities**

- Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat
- sources. Storage area : Store in a well-ventilated place.

**7.3. Specific end use(s)**

Follow Label Directions.

**8.1. Control parameters**

<b>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</b>		
USA ACGIH	ACGIH TWA (mg/m³)	9000 mg/m³
USA ACGIH	ACGIH TWA (ppm)	5000 ppm
USA ACGIH	ACGIH STEL (mg/m³)	54000
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	9000 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm
<b>Distillates (Petroleum), Hydrotreated Light (64742-47-8)</b>		
USA ACGIH	ACGIH TWA (ppm)	200 ppm 8 Hours

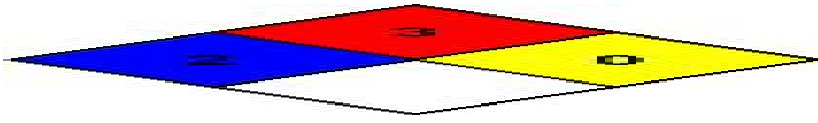
**8.2. Exposure controls**

- Appropriate engineering controls : Local exhaust venilation, vent hoods . Ensure good ventilation of the work station. Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.

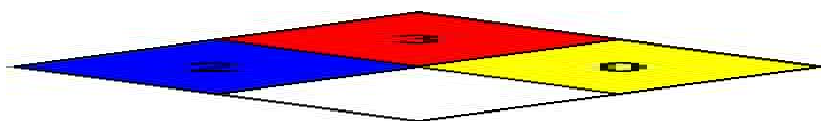
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear respiratory protection.
- Other information : Do not eat, drink or smoke during use.

**9**

- Physical state : Gas
- Appearance : Liquid.
- Color : Colourless to light yellow.
- Odor : Kerosene.
- Odor threshold : No data available pH
- : No data available Relative evaporation rate (butyl acetate=1)
- : 0.19



Flash point : 94.7 °C  
Auto-ignition temperature : No data available



Relative vapor density at 20 °C	: 4.5
Relative density	: 0.805
Solubility	: Insoluble in
water. Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 1.92 cSt @ 40 deg
C Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

## 9.2. Other information

VOC content : 0 %

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No additional information available

## 10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

## 10.3. Possibility of hazardous reactions

Not established.

## 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

## 10.5. Incompatible materials

Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## 11.1. Information on toxicological effects

Acute toxicity : Not classified

### Oleic Acid (112-80-1)

LD50 oral rat > 19200 mg/kg (Rat)

### Distillates (Petroleum), Hydrotreated Light (64742-47-8)

LD50 oral rat > 5000 mg/kg body weight

LD50 dermal rabbit > 2000 mg/kg

LC50 inhalation rat (mg/l) > 5.28 mg/l/4h Based on lack of mortality and systemic effects

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not

classified Germ cell mutagenicity : Not

classified Carcinogenicity : Not

classified

Reproductive toxicity : Not classified



Aspiration hazard : May be fatal if swallowed and enters airways.

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : Shortness of breath.

Symptoms/injuries after skin contact : May cause slight irritation . May cause moderate irritation. Red skin.





Symptoms/injuries after eye contact : May cause slight eye irritation . May cause severe irritation. Redness of the eye tissue.  
 enters airways.

**12.1. Toxicity**

<b>Oleic Acid (112-80-1)</b>	
LC50 fish 1	12 mg/l (33 h; Oncorhynchus kisutch)
LC50 fish 2	205 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	< 40 mg/l (0.3 h; Echinoidea; Reproduction)
<b>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</b>	
LC50 fish 1	35 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal)
LC50 fish 2	60 - 240 mg/l (12 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal)

**12.2. Persistence and degradability**

<b>JOHNSEN'S PENETRATING OIL 10 OZ.</b>	
Persistence and degradability	Not established.
<b>Oleic Acid (112-80-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil. Photodegradation in the air.
Chemical oxygen demand (COD)	2.25 g O <sub>2</sub> /g substance
ThOD	2.89 g O <sub>2</sub> /g substance
BOD (% of ThOD)	> % ThOD (5 day(s)) > 0.5
<b>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</b>	
Persistence and degradability	Biodegradability: not applicable. Not applicable (gas).
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
<b>Distillates (Petroleum), Hydrotreated Light (64742-47-8)</b>	
Persistence and degradability	Not established.

**12.3. Bioaccumulative potential**

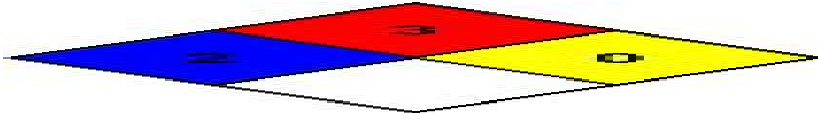
<b>JOHNSEN'S PENETRATING OIL 10 OZ.</b>	
Bioaccumulative potential	Not established.
<b>Oleic Acid (112-80-1)</b>	
Log Pow	5.24 - 7.18 (QSAR)
Bioaccumulative potential	Not established.
<b>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</b>	
Log Pow	0.83 (Experimental value)
Bioaccumulative potential	Bioaccumulation: not applicable.
<b>Distillates (Petroleum), Hydrotreated Light (64742-47-8)</b>	
Bioaccumulative potential	Not established.

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**Oleic Acid (112-80-1)**  
 Surface tension 0.033 N/m (20 °C)

1  
 Other information : Avoid release to the environment.

1  
 Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate



waste disposal facility, in accordance with local, regional, national, international regulations.

Additional information : Flammable vapors may accumulate in  
nt. Hazardous waste due to toxicity.



UN1950, Aerosols, 2.1, Limited Quantity

ICAO/IATA (air): UN1950, Aerosols, 2.1 , Limited Quantity  
 IMO/IMDG (water): UN1950, Aerosols, 2.1 , Limited Quantity

Special Provisions: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

**1**

Proper Shipping Name (DOT) : Aerosols  
 flammable, (each not exceeding 1 L capacity)  
 Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR  
 173.115  
 Hazard labels (DOT) : 2.1 - Flammable gas



DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols. DOT Packaging Exceptions (49 CFR 173.xxx) : 306  
 DOT Packaging Non Bulk (49 CFR 173.xxx) : None  
 DOT Packaging Bulk (49 CFR 173.xxx) : None

**14.3. Additional information**

Other information : No supplementary information available.

**Overland transport**

No additional information available

**Transport by sea**

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  
 DOT Vessel Stowage Other : 48 - Stow "away from" sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

**Air transport**

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg  
 DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

**15.1. US Federal regulations**

**JOHNSEN'S PENETRATING OIL 10 OZ.**

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard Sudden release of pressure hazard
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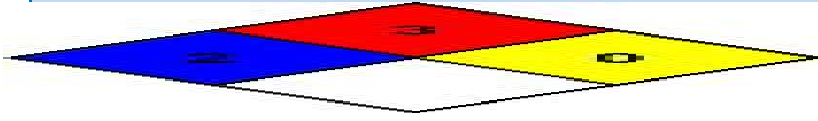
**Oleic Acid (112-80-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Carbon Dioxide, Liquefied, Under Pressure (124-38-9)**

SARA Section 311/312 Hazard Classes	Sudden release of pressure hazard Immediate (acute) health hazard
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Distillates (Petroleum), Hydrotreated Light (64742-47-8)



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CANADA

JOHNSEN'S PENETRATING OIL 10 OZ.

WHMIS Classification

Class B Division 5 - Flammable Aerosol

**Oleic Acid (112-80-1)**

Listed on the Canadian DSL (Domestic Substances List)



to WHMIS classification criteria

**EU-Regulations****Oleic Acid (112-80-1)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

**Classification according to Regulation (EC) No. 1272/2008 [CLP]****Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

**15.2.2. National regulations****Oleic Acid (112-80-1)**

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Korean ECL (Existing Chemicals List)

**15.3. US State regulations****JOHNSEN'S PENETRATING OIL 10 OZ.**

U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

**Oleic Acid (112-80-1)**

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

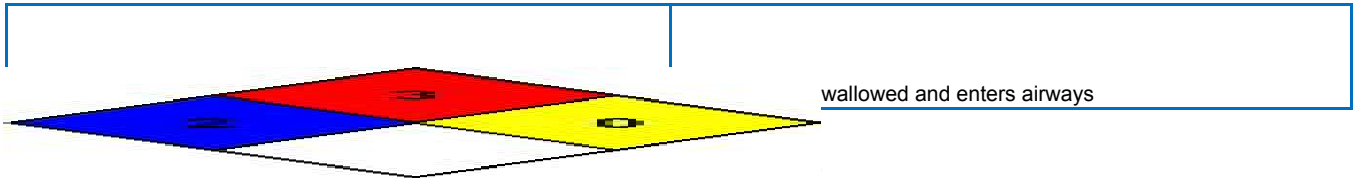
**Carbon Dioxide, Liquefied, Under Pressure (124-38-9)**

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

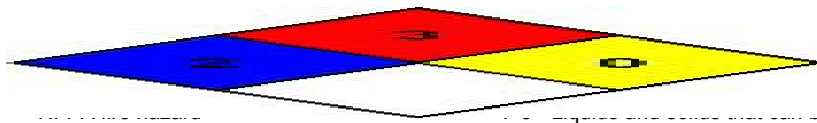
**Distillates (Petroleum), Hydrotreated Light (64742-47-8)**

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

Asp. Tox. 1	Aspiration hazard Category 1
Compressed gas	Gases under pressure Compressed gas
Flam. Aerosol 1	Flammable aerosol Category 1
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated



wallowed and enters airways



NFPA health hazard  
 : 2 - Intense or  
 continued exposure  
 tation or possible  
 medical attention is given.  
 Ignited under almost

NFPA reactivity

: 0 - Normally stable, even under fire exposure  
 conditions, and are not reactive with water.

### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
 Flammability : 4 Severe  
 Hazard Physical : 1 Slight Hazard  
 Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

*The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product*

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