



The Confident Solution™

## Section 2. Hazards identification

# FVP SYNTHETIC BLEND 5W40 MOTOR OIL LITER

Safety Data Sheet

## Section 1. Identification

- GHS product identifier** : FVP Synthetic Blend Motor oil
- Product code** : FVP5W40SB-4LTRD
- Other means of identification** : Not available.
- Product type** : Liquid.

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

<b>Identified uses</b>	
Not available.	
<b>Uses advised against</b>	<b>Reason</b>
Not available.	

**Supplier's details** : Factory Motor Parts  
 1380 Corporate Center Curve, Suite 200  
 Eagan, MN 55121  
 1-866-387-3343

**Emergency telephone number (with hours of operation)** : 24 hr. Infotrac 1-800-535-5053 / International 1-703-527-3887

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**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture**

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Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.1% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.1%

**GHS label elements**

**Signal word**

: No signal word.

**Hazard statements**

: No known significant effects or critical hazards.

**Precautionary statements**

**General**

: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention**

: Not applicable.

**Response**

: Not applicable.

**Storage**

: Not applicable.

**Disposal**

: Not applicable.

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Hazards not otherwise classified

None known.

## Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Not available.

CAS number/other identifiers

CAS number : Not applicable.

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated light paraffinic	≥10 - <25	64742-55-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

:

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

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**Eye contact**

: No known significant effects or critical hazards.

**Inhalation**

: No known significant effects or critical hazards.

**Skin contact**

: No known significant effects or critical hazards.

**Ingestion**

: No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact**

: No specific data.

**Inhalation**

: No specific data.

**Skin contact**

: No specific data.

**Ingestion**

: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician**

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**

: No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media**

: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**

: Do not use water jet.

**Specific hazards arising from the chemical**

: In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products**

: Decomposition products may include the following materials:

c  
a  
r  
b  
o  
n  
d  
i  
o  
x  
i  
d  
e  
c  
a  
r  
b  
o  
n  
m  
o  
n  
o  
x  
i  
d  
e

### Special protective actions for fire-fighters

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### Special protective equipment for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

#### Small spill

:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill

:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Section 2. Hazards identification

#### Precautions for safe handling

#### Protective measures

#### Advice on general occupational hygiene

#### Conditions for safe storage, including any incompatibilities

- : Put on appropriate personal protective equipment (see Section 8).
- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated light paraffinic	<p><b>ACGIH TLV (United States, 4/2014).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p> <p><b>NIOSH REL (United States, 10/2013).</b> TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist</p> <p><b>OSHA PEL (United States, 2/2013).</b> TWA: 5 mg/m<sup>3</sup> 8 hours.</p>

#### Appropriate engineering controls

#### Environmental exposure controls

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## Individual protection measures Hygiene measures **Section 2: Hazards identification**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment

### **Skin protection**

#### **Hand protection**

indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side- shields.

: 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.



## Section 8. Exposure controls/personal protection

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#### Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory protection

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

## Section 9. Physical and chemical properties

### Appearance

#### Physical state

: Liquid.

#### Color

: Not available.

#### Odor

: Not available.

#### Odor threshold pH

: Not available.

#### Melting point

: Not available.

: Not available.

#### Boiling point

: Not available.

#### Flash point

: Closed cup: >200°C (>392°F)

#### Evaporation rate

: Not available.

#### Flammability (solid, gas)

: Not available.

#### Lower and upper explosive (flammable) limits

: Not available.

#### Vapor pressure Vapor density Relative density

: Not available.

#### Solubility

: Not available.

#### Partition coefficient: n- octanol/water

: Not available.

#### Auto-ignition temperature

: Not available.

: Not available.

: Not available.

**Decomposition temperature** : Not available.

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**Viscosity**

: Kinematic (40°C (104°F)): 0.7726 cm<sup>2</sup>/s (77.26 cSt)

## **Section 10. Stability and reactivity**

**Reactivity**

: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**

: The product is stable.

**Possibility of hazardous reactions**

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid**

: No specific data.

**Incompatible materials**

:

No specific data.

**Hazardous decomposition products**

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: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated light paraffinic	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

**Irritation/Corrosion**

Not available.

**Sensitization**

Not available.

**Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Teratogenicity**

Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Name	Result
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure**

: Not available.

**Potential acute health effects**

**Eye contact**

: No known significant effects or critical hazards.

**Inhalation**

: No known significant effects or critical hazards.

**Skin contact**

: No known significant effects or critical hazards.

Ingestion

No known significant effects or critical hazards.

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### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

:

Ingestion

No specific data.

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### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

General	:	Carcinogenicity	:	Mutagenicity	No known significant effects or critical hazards.
:					
Teratogenicity	:				No known significant effects or critical hazards.
					No known significant effects or critical hazards.
					No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
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Distillates (petroleum), hydrotreated light paraffinic	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours

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### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated light paraffinic	-	-	Inherent

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Distillates (petroleum), hydrotreated light paraffinic	>6	-	high

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>)

Not available.

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Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA classification : Not Regulated

## Section 14. Transport information

DOT Classification

TDG Classification

IMDG

IATA

UN number

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Special precautions for user

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

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: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure

that persons transporting the product know what to do in the event of an accident or spillage.

: Not available.

## Section 15. Regulatory information

### U.S. Federal regulations

: **TSCA 8(a) CDR**

**Exempt/Partial exemption:**

Not determined

All components are listed or exempted.

**Clean Water Act (CWA) 307:** Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts

**Clean Water Act (CWA) 311:** ethylenediamine; vinyl acetate

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)**

: Not listed

**Clean Air Act Section 602 Class I Substances**

: Not listed

**Clean Air Act Section 602 Class II Substances**

: Not listed

**DEA List I Chemicals (Precursor Chemicals)**

: Not listed

**DEA List II Chemicals (Essential Chemicals)**

: Not listed



**SARA 302/304**

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**Composition/information on ingredients**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
ethylenediamine	<0.1	Yes.	10000	1337.1	5000	668.5
vinyl acetate	<0.1	Yes.	1000	129	5000	644.8

**SARA 304 RQ** : 56518249.7 lbs / 25659285.4 kg [7937313.9 gal / 30046001.6 L]

**SARA 311/312**

**Classification** : Not applicable.

**Composition/information on ingredients**

No products were found.

**SARA 313**

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	113706-15-3	≥1 - <3
<b>Supplier notification</b>	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	113706-15-3	≥1 - <3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

**Massachusetts** : The following components are listed: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED); MINERAL OIL (UNTREATED and MILDLY TREATED); MINERAL OIL (UNTREATED and MILDLY TREATED); MINERAL OIL (UNTREATED and MILDLY TREATED); MINERAL OIL (UNTREATED and MILDLY TREATED); ZINC compounds

**Pennsylvania** : The following components are listed: ZINC COMPOUNDS

**California Prop. 65**

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International lists**

**National inventory**

**Australia** : All components are listed or exempted.

**Canada** : All components are listed or exempted.

**China** : All components are listed or exempted.

**Europe** : Not determined.

**Japan** : All components are listed or exempted.

**Malaysia** : Not determined.

**New Zealand** : All components are listed or exempted.

**Philippines** : All components are listed or exempted.

Republic of Korea : All components are listed or exempted.

Taiwan : Not determined.  
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## Section 16. Other information

### Section 2. Hazards identification

[Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

#### [History](#)

**Date of issue/Date of revision**

: 07/11/18

**Version**

: 1

#### [Key to abbreviations](#)

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

#### [Notice to reader](#)

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**

**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**