

Section 7. Handling and storage  
Section 11. Toxicological information  
Section 14. Transport information  
Section 16. Other information



# FVP SAE 80W90 GEAR OIL – 2GAL

## SAFETY DATA SHEET

### Section 1. Identification

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

Emergency Contact: Infotrac 1-800-535-5053

**Product name**

**Part#**

: FVP SAE80W90 Gear Oil  
: FVP80W90-2GAL SDS no. : 1082-049218.HL

**Common name**

: GL-5 Gear Oil SAE 80W-90

**Revision date**

: 07/12/18

**Chemical name** : Lubricating oil.

**Chemical formula**

: Mixture

**Chemical family**

: Hydrocarbon.

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

Lubricant.

### Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture**

**GHS label elements**

: SKIN SENSITIZATION - Category 1  
AQUATIC HAZARD (ACUTE) - Category 3  
AQUATIC HAZARD (LONG-TERM) - Category 3  
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.3%

**Section 7. Handling and storage****Section 11. Toxicological information****Section 14. Transport information****Section 16. Other information**

Hazard pictograms :

Signal word : Warning

Hazard statements : May cause an allergic skin reaction.  
Harmful to aquatic life with long lasting effects.**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** : Wear protective gloves. Avoid release to the environment. Avoid breathing vapor. Contaminated work clothing should not be allowed out of the workplace.**Response** : IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.**Storage** : Not applicable.**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.**Hazards not otherwise classified (HNOC)**

: None known.

**Hazardous Material Information System (U.S.A.)****Health :**

1 \* Flammability :

1 Physical hazards : 0

**National Fire Protection Association (U.S.A.)****Health :**

1 Flammability : 1

Instability : 0

**Section 3. Composition/information on ingredients****Substance/mixture** : Mixture**Chemical name** : Lubricating oil.**Other means of identification** : GL-5 Gear Oil SAE 80W-90, 85W-140

Ingredient name	%	CAS number
Long-chain alkyl amine	0.1 - 1	-
Long-chain alkenyl amine	0.1 - 1	-

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

**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

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**

##### **Inhalation**

##### **Skin contact**

- : If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention.
- : If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.
- : If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.

##### **Ingestion**

If material has been swallowed, do not induce vomiting. Get medical attention immediately.

#### **Most important symptoms/effects, acute and delayed**

##### **Potential acute health effects**

##### **Eye contact**

- : No known significant effects or critical hazards.

##### **Inhalation**

: No known significant effects or critical hazards.

##### **Skin contact**

: May cause an allergic skin reaction.

##### **Ingestion**

##### **Over-exposure signs/symptoms**

- : No known significant effects or critical hazards.

##### **Eye contact**

: Adverse symptoms may include the following: pain or irritation, watering, redness.

##### **Inhalation Skin contact Ingestion**

- : Adverse symptoms may include the following: respiratory tract irritation, coughing.
- : Adverse symptoms may include the following: irritation, redness.
- : No known significant effects or critical hazards.

#### **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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

### **Section 5. Fire-fighting measures**

#### **Extinguishing media**

**Section 7. Handling and storage**

**Section 11. Toxicological information**

**Section 14. Transport information**

**Section 16. Other information**

**Suitable extinguishing media** :

**Unsuitable extinguishing media** :

Use water spray to cool fire exposed surfaces and to protect personnel. Foam, dry chemical or water spray (fog) to extinguish fire.  
None known.

**Specific hazards arising from the chemical**

**Hazardous thermal decomposition products**

: Toxic fumes gases or vapors may evolve on burning.

: No specific data.

**Special protective actions for fire-fighters** :

When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.

**Special protective equipment for fire-fighters**

: Not applicable.

**Section 6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

: Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**Methods and materials for containment and cleaning up**

**Spill**

: Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

**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). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
- : 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.
- : Do not store above the following temperature: 113°C (235.4°F). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls/personal protection**

**Control parameters**

**Occupational exposure limits**

None.

**Appropriate engineering controls** : Use only with adequate ventilation.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Individual protection measures**

**Hygiene measures** :

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. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

**Skin protection Hand protection Body protection**

- : Recommended: Splash goggles and a face shield, where splash hazard exists.
- : 4 - 8 hours (breakthrough time): Nitrile gloves.
- : Recommended: Long sleeved coveralls.

**Other skin protection** : Recommended: Impervious boots.

**Respiratory protection** :

If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

**Section 9. Physical and chemical properties**

**Appearance Physical state Color**

- : Liquid.
- : Amber.

**Relative density Evaporation rate Solubility**

- : 0.89 to 0.91
- : <1 (Butyl acetate = 1)

**Section 7. Handling and storage**

**Section 11. Toxicological information**

**Section 14. Transport information**

**Section 16. Other information**

: Insoluble in the following materials: cold water and hot water.

**Odor**

: Mild.

**Solubility in water** : Insoluble

**Odor threshold pH**

**Melting point**

: Not available.

: Not available.

: Not available.

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

**Auto-ignition temperature**

: Not available.

: >260°C (>500°F)

**Boiling point** : Not available.

**Decomposition temperature**

: Not available.

**Flash point**

: Closed cup: >205°C (>401°F)

**SADT**

: Not available.

**Flammability** : Not available.

**Viscosity**

: Not available.

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

: Not available.

**Vapor pressure**

**Vapor density**

**Section 10. Stability and reactivity**

: <0.13 kPa (<1 mm Hg) (68°F)

: Not available.

**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.

**Section 7. Handling and storage**

**Section 11. Toxicological information**

**Section 14. Transport information**

**Section 16. Other information**

**Incompatible materials** :

Reactive or incompatible with the following materials: oxidizing materials.

**Hazardous decomposition products**

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

**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

**Information on toxicological effects**

**Acute toxicity**

There is no data available.

**Irritation/Corrosion**

**Skin** : **Eyes** : **Respiratory** :

**Sensitization**

**Skin** : **Respiratory** :

**Mutagenicity**

There is no data available.

**Carcinogenicity**

There is no data available. **Reproductive toxicity** There is no data available. **Teratogenicity**

There is no data available.

There is no data available. There is no data available. There is no data available.

There is no data available. There is no data available.

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

There is no data available. **Specific target organ toxicity (repeated exposure)** There is no data available.

**Aspiration hazard**

There is no data available.

**Information on the likely routes of exposure**

: Dermal contact. Eye contact. Inhalation. Ingestion.

**Section 12. Ecological information**

**Toxicity**

There is no data available.

**Persistence and degradability**

There is no data available.

**Bioaccumulative potential**

There is no data available.

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

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

**Section 13. Disposal considerations**

**Disposal methods**

: Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.



**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

**DOT IDENTIFICATION NUMBER**

Not applicable.

**DOT proper shipping name**

Not applicable.

**DOT Hazard Class(es)**

Not applicable.

**PG** Not applicable.

**DOT EMER. RESPONSE GUIDE NO.** Not applicable

**Section 15. Regulatory information**

**U.S. Federal regulations**

: **TSCA 4(a) final test rules:** 2-Butenedioic acid (E)-, di-C8-18-alkyl esters

**TSCA 8(a) PAIR:** 2-Butenedioic acid (E)-, di-C8-18-alkyl esters **TSCA 8(a) CDR Exempt/Partial**

**exemption:** Not determined **United States inventory (TSCA 8b):** Not determined.

**Clean Water Act (CWA) 311:** Vinyl acetate

**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

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Vinyl acetate	0 - 0.1	Yes.	1000	129	5000	644.8

**SARA 304 RQ** : 277777777.8 lbs / 126111111.1 kg [37016701.1 gal / 140123456.8 L]

**SARA 311/312**

**Hazard classifications** : Immediate (acute) health hazard

**Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Long-chain alkyl amine	0.1 - 1	No.	No.	No.	Yes.	No.
Long-chain alkenyl amine	0.1 - 1	No.	No.	No.	Yes.	No.

**SARA 313**

: This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Product name	CAS number	%
Not applicable.		

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.

Section 7. Handling and storage  
Section 11. Toxicological information  
Section 14. Transport information  
Section 16. Other information

**State regulations**

**Massachusetts**

: None of the components are listed.

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

**New Jersey** : The following components are listed: Residual oils (petroleum), solvent-dewaxed; Distillates (petroleum), hydrotreated heavy paraffinic

**Pennsylvania** : None of the components are listed.

**California Prop. 65**

: **WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

<b>Ingredient name</b>	<b>Cancer</b>	<b>Reproductive</b>	<b>No significant risk level</b>	<b>Maximum acceptable dosage level</b>
Vinyl acetate	Yes.	No.	No.	No.

**Section 7. Handling and storage**  
**Section 11. Toxicological information**  
**Section 14. Transport information**  
**Section 16. Other information**

**Revision date**

: 10/28/2015

**Supersedes**

: 08/15/2014

**Revised Section(s)**

: 1, 2, 16.

Notice to reader

**Prepared by**

: KMK Regulatory Services Inc.

THE INFORMATION CONTAINED IN THIS SDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE OF THAT MATERIAL IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PARTICULAR PROCESS. IN COMPLIANCE WITH 29 C.F.R. 1910.1200(g), CHS HAS PREPARED THIS SDS IN SEGMENTS, WITH THE INTENT THAT THOSE SEGMENTS BE READ TOGETHER AS A WHOLE WITHOUT TEXTUAL OMISSIONS OR ALTERATIONS. CHS BELIEVES THE INFORMATION CONTAINED HEREIN TO BE ACCURATE, BUT MAKES NO REPRESENTATION, GUARANTEE, OR WARRANTY, EXPRESS OR IMPLIED, ABOUT THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION OR ABOUT THE FITNESS OF CONTENTS HEREIN FOR EITHER GENERAL OR PARTICULAR PURPOSES. PERSONS REVIEWING THIS SDS SHOULD MAKE THEIR OWN DETERMINATION AS TO THE MATERIAL'S SUITABILITY AND COMPLETENESS FOR USE IN THEIR PARTICULAR APPLICATIONS.