



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

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Revision Number 1

## 1. Identification

### Product identifier

**Product Name** AMSOIL Severe Gear® SAE 75W-90 100% Synthetic Gear Lube AMSOIL Severe Gear® SAE 75W-110 100% Synthetic Gear Lube

### Other means of identification

**Product Code(s)** SVG, SVT

### Recommended use of the chemical and restrictions on use

**Recommended use** Lubricating Oil

**Restrictions on use** Avoid formation of mists.

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

#### Supplier Address

AMSOIL INC.  
14328-121A Ave  
Edmonton, AB T5L 2T2  
T: 877-830-4769

#### Manufacturer Address

AMSOIL INC.  
One AMSOIL Center  
Superior, WI 54880, USA  
T: +1 715-392-7101

**E-mail** compliance@amsoil.com

### Emergency telephone number

**Emergency Telephone** CHEMTREC: Within USA and Canada: 1-800-424-9300  
Outside the USA and Canada: +1 703-741-5970  
(collect calls accepted) 24/7

## 2. Hazard(s) identification

### Classification

Not classified.

### Label elements

#### **Hazard statements**

Not classified.

**Other information**

Harmful to aquatic life.

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**3. Composition/information on ingredients**

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sulfurized isobutylene	68511-50-2	1-5%	-	-
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	<1%	-	-

**4. First-aid measures**

**Description of first aid measures**

**Inhalation** Remove to fresh air.  
**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids.  
**Skin contact** Wash skin with soap and water.  
**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** May cause gastrointestinal discomfort if consumed in large amounts. May cause temporary eye irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Use extinguishing

measures that are appropriate to local circumstances and the surrounding environment.

<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Containers can burst or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Hydrocarbons.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Do not handle until all safety precautions have been read and understood. Avoid contact with eyes. Ensure adequate ventilation. Use personal protective equipment as required.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent materials or runoff from entering drains, sewers, streams, ground water or bodies of water.

**Methods for cleaning up** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Avoid contact with used product. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Do not reuse empty containers.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits. Under conditions which may generate mists, the following exposure limits are recommended: Long-term exposure limit (8-hour TWA): 5 mg/m<sup>3</sup>. Short-term exposure limit (15-minute): 10 mg/m<sup>3</sup>.

**Appropriate engineering controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** If there is a risk of contact: Wear safety glasses with side shields (or goggles).

**Hand protection** If there is a risk of contact: Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection** If there is a risk of contact: Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Appearance**  
 Physical state Liquid  
 Color yellow  
 Odor Sulfur  
 Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	218 - 222 °C 420.8 - °F	Cleveland Open Cup ASTM D 92
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	

Vapor density	No data available	None known
Relative density	0.8545 - 0.8607	
Water solubility	No data available	None known
Solubility(ies)	No information available	
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	97.8-132.6 @40°C 16-20.5 @100°C cSt	ASTM D445
Dynamic viscosity	No data available	None known

#### Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Pour Point	-43°C [ASTM D 97]
Fire Point	236-240°C (COC) [ASTM D 92]
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

## 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	Harmful gases or vapors. Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

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

Symptoms	May cause temporary eye irritation.
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### Acute toxicity

### Numerical measures of toxicity

**The following values are calculated based on chapter 3.1 of the GHS document**

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

**Product Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfurized isobutylene	= 5700 mg/kg ( Rat )	-	> 0.39 mg/L ( Rat ) 4 h
Amines, C12-14-alkyl, C6-10-alkyl phosphates	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Component Information	
Amines, C12-14-alkyl, C6-10-alkyl phosphates (68603-55-4)	
Method	OECD Test No. 431: In Vitro Skin Corrosion: Human Skin Model Test
Species	EPISKIN™
Exposure route	in vitro
Effective dose	0.05 mL
Exposure time	1 hour
Results	Irritant

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Not applicable.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfurized isobutylene	-	LC50: 250 - 500mg/L	-	EC50: >1000mg/L (48h,

68511-50-2		(96h, Pimephales promelas) LC50: <1000mg/L (96h, Pimephales promelas)	Daphnia magna)
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**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

Chemical name	Partition coefficient
Amines, C12-14-alkyl, C6-10-alkyl phosphates 68603-55-4	2.47

**Mobility in soil** No information available.

**Other adverse effects** No information available.

### 13. Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Recover or recycle if possible. Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse empty containers.

**US EPA Waste Number** U019 U165 U239

### 14. Transport information

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### 15. Regulatory information

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

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

The Rotterdam Convention Not applicable

**International Inventories**

**TSCA** All components are listed on the TSCA Inventory.  
**DSL/NDSL** All components are listed either on the DSL or NDSL.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

**US State Regulations** This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)



