

U.S. Lubricants
A Division of U.S. Venture, Inc.
425 Better Way
Appleton, WI 54915
Phone (920) 735-8298



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: US Synthetic Gear Oil SAE 75W-90

PRODUCT NO.: 100

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name

US Synthetic Gear Oil SAE 75W-90

Product Number

100

Material Uses

Lubricating Fluid

Supplier/Manufacturer

US Lubricants
A Division of US Venture, Inc.
425 Better Way
Appleton, WI 54915

In case of emergency

920.735.8298

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Color: Yellow
Physical state: Liquid
Odor: Mild sulfurous
Signal Word: CAUTION!
Hazards statements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Precautions: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

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

Potential acute health effects

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin: No known significant effects or critical hazards.
Eyes: Moderately irritating to eyes.

Potential chronic health effects

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

Over-exposure signs/symptoms

Inhalation: No specific data
Ingestion: No specific data
Skin: No specific data
Eyes: Adverse symptoms may include the following: irritation, watering, redness

Medical conditions: None known

Aggravated by over-exposure

(see toxicological information-Section 11)

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**United States**

Name	CAS number	%
Alkoxylated long-chain alkanol borate	NJRTK-800962-5163	5-10

Canada

Name	CAS number	%
Alkoxylated long-chain alkanol borate	NJRTK-800962-5163	5-10

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.

SECTION 4 – FIRST AID MEASURES

Eye contact:	Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
Skin contact:	After contact with skin, wash immediately with plenty of soap and water. Get medical attention if symptoms occur.
Inhalation:	Move exposed person to fresh air. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Notes to physician:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability of the product:	No specific fire or explosion hazard.
Extinguishing media	
Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Not Suitable:	None known.
Hazardous decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide
Special protective equipment for fire-fighters:	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:	Put on appropriate personal protective equipment (see Section 8).
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 for cleaning up	
Small spill:	Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill:	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 a 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

Handling:	Put on appropriate personal protective equipment (see section 8). Avoid contact with used product. 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 reuse container.
Storage:	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

Under conditions which may generate mists, the following exposure limits are recommended:

ACGIH TLV TWA: 5 mg/m³; STEL: 10 mg/m³

Consult local authorities for acceptable exposure limits.

Recommended monitoring proced:	Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering measures:	No special ventilation requirements. Good ventilation should be sufficient to control worker exposure to airborne contaminants.
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.
Respiratory:	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. Not required under normal conditions of use.
Hands:	Use gloves appropriate for work or task being performed. Not required under normal conditions of use. Recommended: Natural rubber (latex)
Eyes:	Safety eyewear should be used when there is a likelihood of exposure. Not required under normal conditions of use. Recommended: Safety glasses with side shields.
Skin:	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. No special protective clothing is required. Recommended: Coveralls.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid	Odor:	Mild sulfurous
Color:	Yellow	pH:	Not available
Flash Point:	Open cup 218°C (424.4°F), Cleveland	Auto-ignition temp:	Not available
Flammable limits:	Not available	Melt pt/Pour pt:	-43°C (-45.4°F)
Boiling point:	Not available	Vapor pressure:	Not available
Relative density:	0.8805	Vapor Density:	Not available
Volatility:	Not available	Evaporation rate:	Not available
Viscosity:	Kinematic: 117.7 cSt @ 40°C	Solubility:	Not available

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	The product is stable.
Conditions to avoid:	No specific data.
Materials to avoid:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition prod.	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity	No specific data
Chronic toxicity:	No specific data

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14 – TRANSPORT INFORMATION

DOT/TDG/IMDG/IATA:	Not regulated
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SECTION 15 – REGULATORY INFORMATION

United States

HCS Classification:	Irritating material
US Federal regulations:	United States Inventory (TSCA 8b): All components are listed or exempted. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found.

State Regulations

Massachusetts:	None of the components are listed.
New York:	None of the components are listed.
New Jersey:	None of the components are listed.
Pennsylvania:	None of the components are listed.

California Prop 65

No products were found.

Canada**WHMIS (Canada):****Canadian lists:**

Class D-2B: Material causing other toxic effects (Toxic).

CEPA Toxic substances: None of the components are listed.**Canadian ARET:** None of the components are listed.**Canadian NPRI:** None of the components are listed.**Alberta Designated Substances:** None of the components are listed.**Ontario Designated Substances:** None of the components are listed.**Quebec Designated Substances:** None of the components are listed.**Canada Inventory:**

Not Determined

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International Regulations**International lists:****Australia inventory (AICS):** Not determined.**China inventory (IECSC):** Not determined.**Japan inventory:** Not determined.**Korea inventory:** Not determined.**New Zealand Inventory of Chemicals (NZIoC):** Not determined.**Philippines inventory (PICCS):** Not determined.**SECTION 16 – OTHER INFORMATION****United States****Label requirements:****MAY CAUSE EYE IRRITATION.****Hazardous Material Information System (US)**

Flammable	1	<p>Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark on the National Paint & Coatings Association (NPCA).</p>
Corrosive	1	
Reactive	0	
Health Hazard		
<p>The customer is responsible for determining the PPE code for this material</p>		

National Fire**Protection Association (US):****Health = 1****Flammability = 1****Instability = 0****Date of Issue:****03/15/2011****Version:****2****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 of 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.