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Version 1

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name:** GEAR GUARD™ PLUS 75W-90

### Other means of identification

**Common Name:** 0427  
**UN/ID No** Not Regulated  
**Synonyms** None  
**Product Categories** Lubricant, Automotive

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

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

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

**Supplier Address**  
MOC PRODUCTS CO., INC.  
12306 Montague Street  
Pacoima, CA 91331

### Emergency telephone number

**Company Phone Number** MOC PRODUCTS CO., INC. (818) 794-3500  
**Emergency Telephone** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### Emergency Overview

<b>Appearance</b> Oil	<b>Physical state</b> Liquid	<b>Odor</b> Petroleum
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### Precautionary Statements - Response

### Hazards not otherwise classified (HNOC)

#### Other information

25.97 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	Trade Secret
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Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	70-80	*
Butene, polymer with 2-Methyl-1-Propene	9044-17-1	10-20	*
Mineral Oil	PROPRIETARY	1-3	*
Distillates (Petroleum), Hydrotreated Light Naphthenic	64742-53-6	1-3	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### First aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Skin contact</b>	Rinse skin with water/shower. Remove contaminated clothing and shoes. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Move to fresh air. Keep at rest position comfortable for breathing. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. If unconscious, place in recovery position and seek medical attention immediately.
<b>Eye contact</b>	Flush eye(s) immediately with plenty of water. Flush eyes with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting. Call a physician or Poison Control Center immediately.

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

<b>Symptoms</b>	Coughing and/ or wheezing. Gastrointestinal tract (GI): Nausea, Diarrhea, Vomiting. Eye irritation, Skin irritation.
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##### Indication of any immediate medical attention and special treatment needed

<b>Self-protection of the first aider</b>	Avoid breathing vapors or mists. Avoid contact with skin. See Section 8 for information on appropriate personal protective equipment.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media:

Water spray or fog; Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam.

**Small Fire** Dry chemical or CO<sub>2</sub>.

**Large Fire** Water spray or fog; Foam.

**Explosive properties:** Risk of explosion if heated under confinement: Fire or intense heat may cause violent rupture of packages.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Runoff may pollute waterways.

**Hazardous combustion products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

##### Specific methods:

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

##### Special firefighting procedures:

No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Dike to collect large

liquid spills. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. The product is insoluble and floats on water. Water mist may be used to cool closed containers. Cool drums with water spray. Do not use a solid water stream as it may scatter and spread fire. Move containers from fire area if you can do it without risk. Avoid spreading burning liquid with water used for cooling purposes. Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Contaminated surfaces will be extremely slippery.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions:** Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for clean-up:** Clean-up methods - small spillage: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Clean-up methods - large spillage: Ventilate the area. Keep unnecessary personnel away. Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Protect from physical damage. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. Do not store at temperatures above 120°F (50°C). Empty containers retain product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

### Conditions for safe storage, including any incompatibilities

**Technical measures/precautions:** Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

**Materials to avoid:** Strong oxidizing agents, Reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Components	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
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Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	5 mg/m <sup>3</sup> (mist): TWA, 10mg/m <sup>3</sup> (mist): STEL	5 mg/m <sup>3</sup> (oil mist) TWA	-
Butene, polymer with 2-Methyl-1-Propene 9044-17-1	-	-	-
Mineral Oil PROPRIETARY	-	-	-
Distillates (Petroleum), Hydrotreated Light Naphthenic 64742-53-6	-	-	-

**Other information** Contains Mineral oils, PEL/OSHA: 5 mg/m<sup>3</sup>.

### Appropriate engineering controls

**Engineering measures:** Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

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

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear: Face protection shield.
<b>Skin and body protection</b>	Chemical resistant gloves (consult with the specific manufacturer to confirm performance). Gloves must be inspected prior to use. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory protection</b>	Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protective equipment as required. When using do not eat, drink or smoke. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Petroleum
<b>Appearance</b>	Oil	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	N/A	Not applicable	
Melting point/freezing point	No information available		
Boiling point / boiling range	No information available . / .		
Flash point	220 °C / 428 °F		
Evaporation rate	No data available	No Data Available	
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
Upper flammability limit	No Data Available		
Lower flammability limit	No Data Available		
Vapor pressure	No Data Available		
Vapor density	>1 (air = 1)	Heavier than air	
Specific Gravity	0.87		
Water solubility	Negligible		
Solubility in other solvents	No Data Available		
Partition coefficient	No Data Available		
Autoignition temperature	No Data Available		
Decomposition temperature	No Data Available		

Kinematic viscosity	16 mm <sup>2</sup> /s	@ 100 °C
Dynamic viscosity	No Data Available	
Explosive properties	No Data Available	
Oxidizing properties	No Data Available	

**Other information**

Softening point	No Data Available
Molecular weight	No Data Available
VOC Content (%)	
VOC Content (%)	None
Density	0.87 g/cc
Bulk density	No Data Available

**10. STABILITY AND REACTIVITY****Reactivity**

Reactivity Stable under normal conditions.

**Chemical stability**

**Possibility of Hazardous Reactions** May react with oxidizing agents.  
**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks, Elevated temperatures, Incompatible materials.

**Incompatible materials**

**Materials to avoid:** Strong oxidizing agents, Reducing agents.

**Hazardous Decomposition Products**

**Hazardous Decomposition Products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Product Information</b>	May be harmful if swallowed. May cause eye irritation. May cause skin irritation.
<b>Inhalation</b>	Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.
<b>Eye contact</b>	May cause irritation.
<b>Skin Contact</b>	May cause irritation. Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Butene, polymer with 2-Methyl-1-Propene 9044-17-1	-	-	-
Mineral Oil PROPRIETARY	-	-	-
Distillates (Petroleum), Hydrotreated Light Naphthenic	> 5000 mg/kg (Rat)	-	-

64742-53-6

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

<b>Sensitization</b>	Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.
<b>Mutagenic effects:</b>	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Chronic toxicity</b>	Prolonged skin contact may defat the skin and produce dermatitis.
<b>Subchronic toxicity</b>	No information available.
<b>Target Organ Effects</b>	Skin, Eyes, Respiratory system.
<b>Neurological effects</b>	No information available.
<b>Other adverse effects</b>	No information available.
<b>Aspiration hazard</b>	Risk of serious damage to the lungs (by aspiration).

**Numerical measures of toxicity - Product Information**

<b>Unknown Acute Toxicity</b>	25.97 % of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	13882 mg/kg
<b>ATEmix (dermal)</b>	25132 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	20.5 mg/l
<b>ATEmix (inhalation-vapor)</b>	31.9 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

25.97 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

NOT READILY BIODEGRADABLE.

**Bioaccumulation**

Bioaccumulative potential.

**Mobility**

The product is insoluble and floats on water.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Dispose of in accordance with federal, state and local regulations.
<b>Contaminated packaging</b>	Do not reuse container. Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

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

### Federal Regulations

#### **SARA 313**

No SARA 313 chemicals are present above the reporting threshold.

#### **SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### **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.

### State Regulations (RTK)

#### **California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm:

Components	California Proposition 65
Naphthalene - 91-20-3	Carcinogen

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

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

**NFPA Rating**

Health hazards 0

Flammability 1

Instability 0

Physical and Chemical Properties -

**HMIS Rating**

Health hazards 0

Flammability 1

Physical hazards 0

Personal protection C

Prepared by

Environmental Health and Safety Department

Revision Date

06-14-2017

Revision Note

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**