



Material Safety Data Sheet

MAXXOIL GEAR SAE 85W-140 GL-5

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name : Maxxoil Gear SAE 85W-140 GL-5
Product Uses : Automotive gear oil
Name of the Company : Isopetrol Lubricants del Peru SAC
Address : Jr. Óscar Avilés N° 195, Interior 201, Urb. Córpac, San Isidro, Lima, Peru.
Telephone : 51 1 230 3300
Emergency Phone : 51 1 0800 10666

RISK IDENTIFICATION

2.1 Classification of the substance or mixture

Prepared according to the Globally Harmonized System (GHS)

Skin corrosion/Irritation Category 3
Acute hazards to the aquatic environment Category 3
Chronic hazards to the aquatic environment Category 3

2.2 Label elements

Word of caution : Warning
Hazard statements : H316 Causes slight skin irritation.
H412 Harmful to aquatic life with long lasting effects.
Safety Precautionary statements : P273 Avoid release to the environment
P501 Remove the

2.3 Other hazards

None known

3. COMPOSITION INFORMATION

3.1 Mixtures

This material is a mixture of

component	CAS NO.	Weight	Ranking
Hydrotreated heavy paraffinic petroleum distillate	64742-54-7	20 - 50%	
Residual Oils (Petroleum), Solvent-dewaxed	64742-62-7	50 - 100%	
Olefin sulfide	68937-96-2	2.0 - 4.0	H317, Skin Sens. 1B; H412, Aquatic Chronic 3
Phosphoric acid esters/amine salt	Confidential	0.40 - 1.0	H302, Acute Tox. 4 H317, Skin Sens. 1B H319, Eye Dam. 2 H411, Aquatic Chronic 2
Alkenyl amine	Confidential	0.20 - 0.50	H302, Acute Tox. 4 H304, Asp. Tox. 1 H314, Skin Corr. 1B H318, Eye Dam. 1 H335, STOT SE 3



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			H373, STOT RE 2 H410, Aquatic Chronic 1 H400, Aquatic Acute 1
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4. FIRST AID MEASURES

4.1 Description of first aid

- Inhalation** : Remove to fresh air. Seek medical attention if difficulty in breathing occurs.
- Ingestion** : Do not induce vomiting. Rinse mouth with water. Get immediate medical attention.
- Skin** : Wash affected area thoroughly with soap and water. If symptoms develop get medical attention.
- Eyes** : If eye contact occurs, flush with plenty of water, at least 15 minutes holding eyelids apart. Get medical attention.

4.2 Indication of any immediate medical attention and special treatment needed

If you feel unwell seek medical advice.

5. FIRE FIGHTING MEASURES

- 5.1 General fire hazards** : No exceptional fire or explosion hazards are indicated.
- 5.2 Suitable extinguishing media** : Foam, water fog, dry chemical powder, carbon dioxide. Do not use direct water jet, may spread fire.
- 5.3 Hazardous combustion products** Under fire conditions, vapors, fumes, oxides of carbon and hydrocarbons, including sulfur dioxide, may be produced.
- 5.4 Special protective equipment** : Firefighters shall wear, full protective clothing and self-sustaining breathing apparatus.

6. MEASURES AGAINST ACCIDENTAL RELEASE

- 6.1 Personal precautions, protective equipment and emergency procedures** : Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours, mists or spray. Keep unauthorized personnel away. Eliminate sources of ignition. Ventilate area.
- 6.2 Environmental Precautions** : Do not contaminate water sources. Prevent entry into drains.
- 6.3 Methods and materials for containment and cleanup** : Dike in front of spills for later recovery and disposal. Residual material can be absorbed with inert material. Stop the flow of material if it is not hazardous.
- 6.4 Reference to other sections** : For further information see Section 8. Exposure control and personal protection. See also section 13.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : Use in well ventilated areas. Use personal protective equipment (PPE) to prevent contact with material. Maintain high standards of personal hygiene.



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Empty containers may contain residues, should not be heated, welded, drilled, punctured, drilled or ground.

7.2 Safe storage

: Store in a cool, dry place, away from moisture and direct sun exposure. Keep containers properly identified and closed. Keep away from heat, sources of ignition and strong oxidizing agents.

7.3 Specific end use

: Automotive gear oil

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Component	CAS	US ACGIH Threshold Limit Value
Hydrotreated heavy paraffinic petroleum distillate	64742-54-7	TWA: 5 mg/m ³ Inhalable Fraction
Residual Oils (Petroleum), Solvent-dewaxed	64742-62-7	TWA: 5 mg/m ³ Inhalable Fraction

8.2 Appropriate engineering controls

: No special requirements under normal conditions of use and with proper ventilation. Be sure to observe all local/national regulations.

8.3 Personal Protection

General information

: The use of personal protective equipment is required

Eye protection

: Chemical goggles with side shields. If splash or mist hazard exists, wear chemical goggles or face shield.

Skin protection

: Wear appropriate clothing. Consider wearing a waterproof apron. Protective shoes. Impervious nitrile gloves.

Respiratory protection

: At room temperature and normal conditions of use the product presents no special hazards. In the presence of hot oils or processes that generate mist or vapors, use respiratory protection against organic vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: Clean, bright liquid.

Color

: Amber

Odor

: Characteristic.

pH value

: Not applicable

Freezing point

: No data available

Boiling point

: No data available

Flash point

:230°C

Lower flammable limit

: No data available

Upper flammable limit

: No data available

Vapor pressure

: No data available

Vapor density

: No data available

Relative density

: 0.900

Auto-ignition temperature

: No data available.

Decomposition temperature

: No data available



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Explosive properties : No data available
Solubility : Insoluble in water. Soluble in organic solvents.
Partition coefficient (n-octanol/water) : No data available

Other properties

Kinematic viscosity at 40°C : 358 cSt
Kinematic viscosity at 100°C : 27 cSt
Pour point : -30°C

10. STABILITY AND REACTIVITY

10.1 Reactivity : No hazardous reactions will occur under normal conditions.
10.2 Chemical stability : Stable under normal conditions of storage and handling.
10.3 Possibility of hazardous reactions : Does not occur.
10.4 Conditions to avoid : Excessive heat, sources of ignition, direct sunlight and incompatible materials.
10.5 Incompatible materials : Strong acids, strong bases, strong oxidizers.
10.6 Hazardous decomposition products : Carbon dioxide, carbon monoxide, fumes and products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Information on possible routes of exposure

Inhalation : No data available.
Ingestion : No data available
Skin contact : Causes slight skin irritation.
Eye contact : No data available

11.1 Information on toxicological effects

Acute Toxicity

Component	Oral	Dermal	Inhalation
Hydrotreated heavy paraffinic petroleum distillate	LD50 > 5000 mg/kg Rat	LD50 > 5000 mg/kg Rabbit	LC50 = 2.18 mg/L 4 h Mist Rat

Ingestion : Not classified based on available data.
Dermal contact : Not classified based on available data.
Inhalation : Not classified based on available data.
Skin Corrosion/Irritation : Causes mild skin irritation. Prolonged or repeated contact with skin, as in the case of clothing wet with the material, may cause dermatitis. Symptoms may include redness, edema, dryness and cracking of the skin.
Severe Eye Irritation/Harm: : Not classified as a primary eye irritant.
Respiratory Sensitization : No data available
Skin sensitization :



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Olefin sulfide Skin sensitizer (measured). May cause sensitization by skin contact. Category 1B

Phosphoric acid esters/amine salt Skin sensitizer (measured). Category 1B

Alkenyl amine May cause skin sensitization in sensitive individuals.

Specific Target Organ Toxicity - Single Exposure : If material is misted or if vapors are generated by heating, exposure may cause irritation of the mucous membranes of the upper respiratory tract.

Aspiration hazard :
Alkenyl amine This material may be aspirated into the lungs during swallowing or vomiting. This could cause serious lung injury or even death.

Other effects:

Chronic Effects

Carcinogenicity : This product contains mineral oils that are severely refined and not considered carcinogenic. All oils in this product have been shown to contain less than 3% extractables by IP 346 testing.

Germ Cell Mutagenicity : Based on available data, the classification criteria are not met.

Reproductive Toxicity : Based on available data no components are classified as reproductive hazards.

Specific Target Organ Toxicity - Repeated Exposure :

Phosphoric acid esters/amine salt A 28-day oral ingestion study in male and female rats at 150 and 500 mg/kg/day had a related effect of microscopic changes in the adrenal glands and kidneys. The NOAEL

Alkenyl amine Oral: digestive organs, immune system, liver.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Hydrotreated heavy paraffinic petroleum distillate (64742-54-7)	
Fish	LD50 >5000 mg/L 96 h - Species: Oncorhynchus mykiss
Aquatic invertebrates	EC50 >1,000 mg/L 48 h - Species: Daphnia magna
Algae	EC50 >1000 mg/L 96 h - Species: Scenedesmus
Phosphoric acid esters/amine salt	
Fish	LC50 (Rainbow trout, 4 days): 24 mg/L
Aquatic invertebrates	EC50 (Daphnia magna, 2d): 91.4 mg/L
Alkenyl amine	
Fish	LC50 (Rainbow trout, 4 days): 1.3 mg/L
Aquatic invertebrates	EC50 (Daphnia magna, 2d): 0.011 mg/L

12.2 Persistence/Degradability : The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms, they are considered intrinsically biodegradable.

12.3 Bioaccumulative potential : Bioconcentration factor: No data available.



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Partition coefficient octanol/water: No data available.

- 12.4 Mobility in soil** : Hydrocarbon components show low mobility with adsorption on sediments as the predominant process.
- 12.5 Other adverse effects** : Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal** : Dispose in accordance with applicable national and local laws and regulations. Regulations may also apply to empty containers. Responsibility for proper disposal rests with the owner of the waste.
- Use companies duly registered and authorized according to applicable laws and regulations for the recovery, disposal or transportation of waste.

14. TRANSPORT INFORMATION

- 14.1 Land (DOT):** Not regulated
- 14.2 Sea (IMDG):** Not Regulated
- 14.3 Air (IATA):** Not Regulated
- 14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

15. REGULATORY INFORMATION

15.1 Specific safety, health and environmental regulations/legislation specific to the substance or mixture:

Australia (AICC)

All components comply with Australian chemical notification requirements.

Canada (DSL/NDSL)

All substances contained in this product comply with the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substances List (DSL) or are exempt.

China (IECSC)

All components of this product are listed in the Inventory of Existing Chemical Substances in China.

European Union (REACH)

For information on the REACH compliance status of this product, please send an email to REACH@SDSInquiries.com.

Great Britain (UK REACH)

For information on the REACH compliance status of this product, please send an email to REACH@SDSInquiries.com.

Japan (ENCS)

All components comply with the Japanese Chemical Substance Control Law.

Korea (ECL)

All components are compliant in Korea.

New Zealand (NZIoC)

All components comply with New Zealand chemical notification requirements.

Philippines (PICCS)



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All components comply with the requirements of the Toxic Substances and Hazardous and Nuclear Substances Act of the Philippines. Waste Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components of this product comply with the Swiss Ordinance on Hazardous Substances. for the Environment.

Taiwan (TCSCA)

All components of this product are listed in Taiwan inventory.

United States (TSCA)

All substances contained in this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

16.1 Code -H referred to in Section 3

H302Harmful if swallowed
H304May be fatal if swallowed and enters respiratory tract.
H314Causes severe skin burns and eye damage
H317 May cause allergic skin reaction.
H318Causes serious eye irritation
H335May cause respiratory tract irritation
H373May cause damage to organs through prolonged or repeated exposure
H400Very toxic to aquatic organisms
H410Very toxic to aquatic life with long lasting effects.
H411Toxic to aquatic life with long lasting effects.
H412Harmful to aquatic organisms with long lasting effects

16.2 Hazard classification according to NFPA



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Disclaimer clause:

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