



SAFETY DATA SHEET

Issue Date: 4/9/2025

Version 2.2

1. IDENTIFICATION

Product identifier

Product Name Apex Lubricant

Other means of identification

SDS # APEX-022

Recommended use of the chemical and restrictions on use

Recommended Use Metal Lubricant

Details of the supplier of the safety data sheet

Vendetta Chemical Solutions, LLC
6801 N FM 1788
Midland Texas, 79707
Contact@VendettaChems.com

Emergency telephone number

Company Phone Number 1-432-237-1451

Emergency Telephone 1-855-596-6516

2. HAZARDS IDENTIFICATION

Appearance: Amber Viscous Liquid

Physical state: Liquid

Classification:

H304: Aspiration Hazard Category 1 (May be fatal if swallowed and enters airways)

H315: Skin Irritation Category 2 (Causes skin irritation)

H318: Serious Eye Damage Category 1 (Causes serious eye damage)

H317: Skin Sensitization Category 1 (May cause an allergic skin reaction)

H400: Aquatic Toxicity (Acute Category 1) (Very toxic to aquatic life)

H410: Aquatic Toxicity (Chronic Category 1) (Very toxic to aquatic life with long-lasting effects)

Signal Word:

DANGER

Hazard Pictograms:



Hazard Statements:

H304: May be fatal if swallowed and enters airways
 H315: Causes skin irritation
 H318: Causes serious eye damage
 H317: May cause an allergic skin reaction
 H400: Very toxic to aquatic life
 H410: Very toxic to aquatic life with long-lasting effects

Precautionary Statements:

Prevention:

P273: Avoid release to the environment.
 P280: Wear protective gloves, clothing, and eye/face protection.

Response:

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P331: Do NOT induce vomiting.
 P302 + P352: IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water. Continue rinsing.
 P391: Collect spillage.

Storage:

P405: Store locked up.
 P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Concentration	CAS No
Distillates, Hydrotreated Light Naphthenic	Trade Secret	64742-53-6
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	Trade Secret	68457-79-4
Proprietary Ingredient A	Trade Secret	Trade Secret
Proprietary Ingredient B	Trade Secret	Trade Secret
Proprietary Ingredient C	Trade Secret	Trade Secret
Proprietary Ingredient D	Trade Secret	Trade Secret

Note: Exact concentration percentages have been withheld as trade secrets. Concentration information is available upon request by healthcare professionals, OSHA, and regulatory authorities.

4. FIRST AIDE MEASURES

Description of first aid measures

Eyes: Rinse with water for 15 minutes. Seek medical attention.
Skin: Wash with soap and water. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Seek immediate medical attention.
Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
In case of poisoning, call Poison Control at 1-800-222-1222.



5. FIRE-FIGHTING MEASURES

Extinguishing Media:

Water fog, foam, dry chemical powder, carbon dioxide (CO₂).

Special Equipment:

Wear self-contained breathing apparatus (SCBA) and protective gear.

Fire Hazards:

During fire, hazardous gases may be formed.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use appropriate PPE: gloves, goggles, respirator, and protective clothing.

Environmental Precautions:

Prevent contamination of soil and water sources. Avoid discharge into drains or watercourses.

Cleanup Methods:

Absorb spills with inert material and dispose of properly.

7. HANDLING AND STORAGE

Precautions for safe handling

Personal Precautions:

Use appropriate PPE: gloves, goggles, respirator, and protective clothing.

Environmental Precautions:

Prevent contamination of soil and water sources. Avoid discharge into drains or watercourses.

Cleanup Methods:

Absorb spills with inert material and dispose of properly.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Provide adequate ventilation. Local exhaust recommended.

Personal Protective Equipment:

Safety glasses, gloves, chemical-resistant clothing, respirator if necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Amber Viscous Liquid	Odor	Not determined
Color	Amber	Odor Threshold	Not determined

Property

pH
Melting point / freezing point
Boiling point / boiling range
Flash point
Evaporation Rate
Flammability (Solid, Gas)

Values

Not determined
Not determined
>200C (>392F)
Closed cup: >130C (>266F)
Not determined
Not determined



Flammability Limit in Air**Upper flammability or
explosive limits**

Not determined

**Lower flammability or
explosive limits**

Not determined

Vapor Pressure

Not determined

Vapor Density

Not determined

Relative Density

1.01-1.05

Water Solubility

Insoluble in water

% Volatile

Not determined

Viscosity (cP)

Not determined

Pour Point

Not determined

Explosive Properties

Not determined

Oxidizing Properties

Not determined

10. STABILITY AND REACTIVITY**Stability:**

Stable under normal conditions.

Incompatibility:

Strong oxidizers.

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects**

<u>Ingredient</u>	<u>Acute Oral Toxicity (LD50)</u>	<u>Acute Dermal Toxicity (LD50)</u>	<u>Skin Irritation</u>	<u>Eye Damage</u>	<u>Sensitiza- tion</u>
Distillates Hydrotreated Light Naphthenic	N/A	N/A	Yes	Mild	No
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	3600 mg/kg (rat)	>20000 mg/kg (rabbit)	Moderate	Severe	No
Proprietary Ingredient A	N/A	N/A	Mild	Mild	Yes
Proprietary Ingredient B	Not classified	Not classified	Mild	Mild	No
Proprietary Ingredient C	N/A	N/A	None	None	No
Proprietary Ingredient D	N/A	N/A	None	None	No

12. ECOLOGICAL INFORMATION

<u>Ingredient</u>	<u>Aquatic Toxicity</u>	<u>Biodegradability</u>	<u>Bioaccumulation Potential</u>	<u>Mobility in Soil</u>
Proprietary Ingredient B	Very toxic to aquatic life (Category 1)	Not readily	Moderate	Limited
Proprietary Ingredient D	LC50 Fish: 4.15 mg/l, EC50 Daphnia: 3.21 mg/l	Readily	Low (Log Kow 2.107)	High (Log Koc 1.958)
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	Toxic to aquatic life	Not Readily	Low (LogPow 0.69)	Moderate
Proprietary Ingredient C	Low	Readily	None	Low



13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose according to local and international regulations.

14. TRANSPORT INFORMATION

UN Number:

Not regulated

Proper Shipping Name:

Not applicable

Transport Hazard Class(es):

Not applicable

Packing Group:

Not applicable

Environmental Hazards:

Contains a marine pollutant (Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts) at less than 10% by volume.

DOT (US), IMDG, IATA, ADR, TDG: Not regulated as hazardous for transportation.

Transport in Bulk (per Annex II of MARPOL 73/78 and IBC Code): Not intended for bulk marine transport.

Note: Product contains a component listed as a marine pollutant (Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts), but below the regulatory threshold of 10%. The mixture is not otherwise classified for transport hazard and is therefore not subject to UN3082 classification under IMDG Code 2.10.2.7 or DOT marine pollutant regulations.

15. REGULATORY INFORMATION

TSCA Compliance:

This product contains a proprietary chemical regulated by EPA TSCA Consent Orders. The chemical's use is strictly limited by EPA to use as a lubricant additive. Use outside this permitted purpose requires prior notification and approval from the EPA. Customers must strictly comply with all applicable TSCA-imposed use, handling, exposure, and disposal conditions. Notification under TSCA Section 12(b) is mandatory if exported. Additional regulatory details, including specific Consent Order references, are available upon formal written request and subject to appropriate confidentiality agreements.

SARA 311/312:

Acute health hazard.

California Proposition 65:

Not listed.

State Right-To-Know Regulations:**Massachusetts:**

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts

New Jersey:

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts

Pennsylvania:

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts



16. OTHER INFORMATION

NFPA Ratings: Health: 2, Fire: 1, Instability: 0

HMIS Ratings: Health: 2, Flammability: 1, Physical Hazards: 0, PPE: B (Safety goggles, gloves)

Issue Date: 4/9/2025

0

Version 2.2

Disclaimer

The information provided in this 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

End of Safety Data Sheet

