

SAFETY DATA SHEET

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Version 3.0; SDS NO.: 300

Revision Date: 11/25/2014

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

1.1 PRODUCT IDENTIFIER:

PRODUCT NAME: Glen Carbide OS Lubricant Type IV
 FORMULATION: 4634
 CHEMICAL FAMILY: Petroleum Distillates

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Relevant identified uses: Industrial polishing
 Uses advised against: No data available

1.3 DETAILS OF SUPPLIER OF SAFETY DATA SHEET:

Supplier: Glen Carbide Inc. Phone: (412) 279-7500
 1054 Campbell's Run Rd. Fax: (412) 279-7503
 Carnegie, PA 15106 USA

1.3 EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (US) ; 1-703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

| GHS Classification | Hazard Class | Category |
|----------------------------|-------------------|-------------------|
| Health Hazards: | Aspiration Hazard | Category 1 (H304) |
| Environment: | Not applicable | |
| Physical/Chemical Hazard: | Not applicable. | |
| Fire and Explosion Hazard: | Flammable Liquids | Category 4 (H227) |

2.2 LABEL ELEMENTS:

Pictogram or Symbol:



Signal Word:

Danger

Hazard Risk Statement(s):

H227 Combustible liquid
 H304 May be fatal if swallowed and enters airways

Precautionary Statement(s):

| | |
|-------------|--|
| P210 | Keep away from flames and hot surfaces. No smoking. |
| P280 | Wear protective gloves and eye / face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P331 | Do NOT induce vomiting. |
| P370+P378 | In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO ₂) for extinction |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up |
| P501 | Dispose of contents & container according to local regulations |

2.3 OTHER HAZARDS:

Repeated contact may cause mild skin and eye irritation. Vapor is irritating to the eyes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES: N/A

3.2 MIXTURES:

Petroleum Distillates

| CAS No. | Name | Wt % | Classification according to GHS |
|------------|---------------------------|-----------|--|
| 64742-48-9 | Isoparaffinic Hydrocarbon | 60 - 100% | Aspiration Hazard - Cat. 1 (H304) Flammable Liquids – Cat. 4 (H227) |

For the full text of the H-Statements listed in Composition section 3.2 see Section 16

3.3 ADDITIONAL INFORMATION:

See Section 8 for Workplace Exposure Limits (WEL)

SECTION 4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Eyes: Flush thoroughly with water until irritation subsides, lifting upper and lower lids to facilitate cleansing. If irritation persists, seek medical assistance.

Inhalation: Remove individual to fresh air. If breathing is difficult, administer oxygen and seek medical attention

Ingestion: Do not induce vomiting. Keep person at rest and seek immediate medical attention.

4.2 MOST IMPORTANT SYMPTIONS AND EFFECTS, BOTH ACUTE AND DELAYED:

Prolonged and repeated exposure may cause skin and eye irritation

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No data available

SECTION 5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, various oxides of carbon.

5.3 ADVICE FOR FIRE-FIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 ADDITIONAL INFORMATION:

No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Use personal protective equipment. Keep personnel/public away. If possible, shut off source of release without further hazard

6.2 ENVIRONMENTAL PRECAUTIONS:

Prevent liquid from entering sewers, water courses or low areas. Advise authorities if liquid has entered sewers, water courses or has contaminated soil.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP:

Contain spilled liquid with absorbent material. Take up absorbed material and place into suitable container for disposal. Consult an expert on disposal of recovered material to ensure conformity to local regulations.

6.4 REFERENCE TO OTHER SECTIONS:

None

SECTION 7. HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Electrostatic Accumulation Hazard: Not applicable. Store in a well-ventilated area away from incompatible materials Do not expose liquid or vapors to open flame, heat or sources of ignition. Empty product containers may contain residues (liquid, vapor). Do not re-use empty containers without adequate cleaning.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Temperature: Ambient. (19°C – 27°C)

Transport Temperature: Ambient

Storage Pressure: Atmospheric

Materials/Coatings Compatibility: Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester

Materials/Coatings Unsuitable: Strong oxidizing agents (acids), strong alkalis. Testing for compatibility with specific plastic materials is recommended.

7.3 SPECIFIC END USES: No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

Workplace Exposure Limit (WEL): Isoparaffinic Hydrocarbon:

| | | | |
|-----|------------|-----|---|
| U | .S.A. | PEL | = 152 ppm (vapor) = 1200 mg/m ³ (RCP-TWA) |
| PEL | | | = 300 ppm (as oil mist) |
| | UK (EH 40) | WEL | = 171 ppm (vapor) = 1200 mg/m ³ (RCP-TWA) |

DNEL Values: No data available
PNEC Values : No data available

8.2 EXPOSURE CONTROLS:

Wear Personal Protective Equipment as necessary:

| | |
|---------------------------|---|
| Hand Protection: | Gloves |
| Eye Protection: | Safety Glasses |
| Skin and Body Protection: | Protective Clothing |
| Respiratory Protection: | Provide sufficient local exhaust and general ventilation to maintain exposure below OEL, especially for spraying operations producing mists. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------|---------------------------|------------------------|------------------|
| PHYSICAL STATE: | Thin Fluid | EXPLOSIVE LIMITS: | Not determined |
| COLOR: | Purple | VAPOR PRESSURE: | Not determined |
| ODOR: | Mild, characteristic | VAPOR DENSITY: | Heavier than air |
| ODOR THRESHOLD: | Not determined | SPECIFIC GRAVITY: | 0.8 gm/cc |
| pH: | Not determined | SOLUBILITY IN WATER: | Dispersible |
| MELT/FREEZE POINT: | Not determined | PARTITION COEFFICIENT: | Not determined |
| BOILING RANGE: | 365 - 412°F (185 - 212°C) | AUTO IGNITION TEMP: | > 392°F (200°C) |
| FLASHPOINT:[PMCC] | >142°F (>61°C) | DECOMPOSITION TEMP: | Not determined |
| EVAPORATION RATE: | Slower than water | VISCOSITY: | 2 - 3 cPs |
| PERCENT VOLATILE: | > 95% | EXPLOSIVE PROPERTIES: | Not determined |
| OXIDIZING PROPERTIES: | Not determined | FLAMMABILITY: | Not determined |

9.2 OTHER SAFETY INFORMATION: No data available

SECTION 10. STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** No data available
10.2 CHEMICAL STABILITY: Stable at normal temperatures and pressure
10.3 POSSIBILITY OF HAZARDOUS REACTION: Not reactive at normal temperatures and pressures
10.4 CONDITIONS TO AVOID: No data available
10.5 INCOMPATIBLE MATERIALS: No data available
10.6 HAZARDOUS DECOMPOSITION PRODUCTS: None with proper storage and handling

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- Acute toxicity: No data available
Irritation: No data available
Corrosivity: No data available
Sensitization: No data available
Repeated dose toxicity: No data available
Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, NTP, or OSHA.
Mutagenicity: No data available
Toxicity for reproduction: No data available
Risk of aspiration toxicity: May be fatal if swallowed and enters airways. Based on physio-chemical properties of the materials
STOT-single exposure: No data available
STOT-repeated exposure: No data available

CMR ASSESSMENT:

- Target Organ Effects: No data available.
Development Information: No data available
Cancer Information: No data available

11.2 OTHER INFORMATION: No data available

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No data available
12.2 Persistence and degradability: No data available
12.3 Bioaccumulative potential: No data available
12.4 Mobility in soil: No data available
12.5 Results of PBT and vPvB assessment: No data available
12.6 Other adverse effects: No data available

