

SAFETY DATA SHEET

STL350/25 Thread Lubricant



Data Prepared: October 14, 2015

SECTION 1: Identification

Product name : STL350/25 Thread Lubricant

Product code : STL350/25

Manufacturer or supplier details

Company name of supplier : Clearco Products Co Inc.

Address : 15 York Rd.
Willow Grove, PA 19090 U.S.A.

Telephone : 215-639-2640

Emergency Telephone : CHEM TEL: 1-800-255-3924 (DOMESTIC)
+01-813-248-0585 (INTERNATIONAL)

Recommended use of the chemical and restrictions on use

Recommended use : Used to prevent friction buildup in high speed sewing

SECTION 2: Hazards Identification

Classification of the substance or mixture:



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Flam. Liq. 4 H227 Combustible liquid.

Label elements:

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



GHS08

Signal word: Danger

Hazard-determining components of labeling:

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominately in the range of C6 though C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).

Hazard Statements:

Combustible liquid

May be fatal if swallowed and enters airways.

Precautionary statements:

Keep away from flames and hot surfaces.-No smoking

Wear protective gloves/eye protection/face protection.

IF SWALLOWED: Immediately call a poison center/doctor.

Do NOT induce vomiting.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

5 percent of the mixture consists of ingredient(s) of unknown toxicity.

Classification system:

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3: Composition/Information on Ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

| Dangerous Components: | | |
|------------------------------------|--|--------|
| CAS: 64742-48-9 | A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominately in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (147°F to 446°F). ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227 | 75% |
| CAS:63148-62-9 | Dimethyl Siloxane, Trimethylsiloxy/terminated | 25% |
| CAS:8042-47-5 | Mineral Oil | 10-20% |
| CAS: 123-95-5 RTECS: WI 2900000 | butyl stearate | 5-10% |

SECTION 4: First Aid Measures

Description of first aid measures:

After inhalation: Supply fresh air, consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin. Wash with water and soap as a precaution. Get medical attention if symptoms occur.

After eye contact: Rinse opened eye for several minutes under running water. Get medical attention if irritation develops and persists.

After swallowing: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Information for doctor:

Most important symptoms both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: Firefighting Measures

Extinguishing media:

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

Hazardous combustion products: carbon oxides, silicon oxides, formaldehyde.

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool containers/tanks with water spray. Remove undamaged containers from the fire area if it is safe to do so. Evacuate area.

Advice for firefighters:

Protective equipment:

As in any fire, wear self contained breathing apparatus pressure –demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions: Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and Storage

Handling

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.

Take care to prevent spills, waste and minimize release to the environment. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Not required.

Materials to avoid: Do not store with the following product types:

Strong oxidizing agents

Specific end use(s): No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see section 7.

Control parameters:

| Components with occupational exposure limits: | |
|--|--|
| 8042-47-5 Mineral Oil | |
| ACGIH TLV | Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ |
| OSHA PEL | Long-term value: 5 mg/m ³ |
| 123-95-5 butyl stearate | |
| TLV | Long-term value: 10mg/m ³ |

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for safe handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from the manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact breath-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:



Goggles recommended during refilling.

Engineering measures: Processing may form hazardous compounds (see Section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid
Color: Clear, colorless or light-yellow

Odor: Vinegar

Odor threshold: Not determined.

Specific Gravity @ °F: 0.78 @ 60°F

Solubility in Water, wt% @°F: Less than 0.01 @ 77°F

Sp. Gravity of Vapor, @ 1atm (air=1): 5.46 calculated

Boiling Point, °F: 351°F to 387°F

Vapor Pressure (mm Hg) @ °F: 0.71 @68

| | |
|--|--|
| Viscosity of Liquid, cSt @°F: | Not determined |
| Freezing/Melting Point, °F: | <-76°F |
| Evaporation Rate: n-Bu Acetate=1: | Less than 0.1 |
| Other information: | No further relevant information available. |

SECTION 10: Stability and Reactivity

Reactivity: No further information available.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions:

Can react with strong oxidizing agents when heated to temperatures above 150C (300F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CDR 1910.1048. Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid: No further relevant information available.

Incompatible materials: Oxidizing agents

Hazardous decomposition products/ Thermal decomposition: Formaldehyde

SECTION 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:

| | | |
|--|------|---------------------|
| LD/LC50 values that are relevant for classification: | | |
| 64742-48-9 A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominately in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F) | | |
| Oral | LD50 | >5000 mg/kg (rat) |
| Dermal | LD50 | >3000mg/kg (rab) |
| 63148-62-9 Dimethyl Siloxane, Trimethylsiloxy/terminated | | |
| Oral | LD50 | >15,400 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rab) |
| 8042-47-5 Mineral Oil | | |
| Oral | LD50 | >5000 mg/kg (rat) |
| 123-95-5 butyl stearate | | |
| Oral | LD50 | 32000 mg/kg (rat) |

Primary irritant effect:

On the skin: Not classified based on available information

On the eye: Not classified based on available information

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic categories:

| |
|--|
| IARC (International Agency for Research on Cancer): |
| No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |

| |
|---|
| NTP (National Toxicology Program): |
| No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP. |

| |
|--|
| OSHA-Ca (Occupational Safety & Health Administration): |
| No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA. |

SECTION 12: Ecological Information**Toxicity:****Aquatic toxicity:** No further relevant information available.**Persistence and degradability:** No further information available.**Behavior in environmental systems:****Bioaccumulative potential:** No further information available.**Mobility in soil:** No further information available.**Additional ecological information:****General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment:**PBT:** Not applicable**vPvB:** Not applicable**Other adverse effect:** No further relevant information available.

SECTION 13: Disposal Considerations**Waste treatment methods:****Recommendation:** Recycle or dispose with household trash.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport Information**UN-Number:****DOT** NA1993**ADR, IMDG, IATA** UN1993**UN proper shipping name:****DOT** COMBUSTIBLE LIQUID, N.O.S.**ADR** UN1993 Flammable liquids, n.o.s.**IMDG, IATA** FLAMMABLE LIQUID, N.O.S.**Transport hazard class(es)****DOT**

Consumer Commodity

Class: 3 Combustible liquids**Label:** 3**ADR**

Consumer Commodity

Class: 3 Combustible liquids

IMDG. IATA



Consumer Commodity

Class: 3 Combustible liquids
Label: 3
Packing group:
ADR, IMDG, IATA III
Environmental hazards: Not applicable
Special precaution for user: Warning: Combustible liquids
EMS Number: F-E, S-E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable
Transport/Additional information:
DOT
Remarks: Non-regulated if less than 119 gallons

ADR
Excepted quantities (EQ): Code:E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per out packaging: 1000 ml

UN "Model Regulation": UN1993, Flammable liquids, n.o.s., 3, III

SECTION 15: Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:
SARA (Superfund Amendments and Reauthorization):**

| |
|--|
| Section 355 (extremely hazardous substances): |
| None of the ingredients are listed. |
| Section 313 (Specific toxic chemical listings): |
| None of the ingredients are listed. |
| TSCA (Toxic Substances Control Act): |
| All ingredients are listed. |
| California Proposition 65: |
| Chemicals known to cause cancer: |
| None of the ingredients are listed. |
| Chemicals known to cause reproductive toxicity for females: |
| None of the ingredients are listed. |
| Chemicals known to cause reproductive toxicity for males: |
| None of the ingredients are listed. |
| Chemicals known to cause developmental toxicity: |
| None of the ingredients are listed. |

Carcinogenic categories:**EPA (Environmental Protection Agency):**

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

**GHS08****Signal word:** Danger**Hazard-determining components of labeling:**

A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominately in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).

Hazard statements:

Combustible liquid.

May be fatal if swallowed and enters airways.

Precautionary statements:

Keep away from flames and hot surfaces.- No smoking.

Wear protective gloves/ eye protection/ face protection.

IF SWALLOWED: Immediately call a poison center/doctor.

Do NOT induce vomiting.

In case of fire: Use for extinction: CO2, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

State Right to Know:

| | | |
|------------------------------------|--|--------|
| CAS: 64742-48-9 | A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominately in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (147°F to 446°F). ⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227 | 75% |
| CAS:63148-62-9 | Dimethyl Siloxane, Trimethylsiloxy/terminated | 25% |
| CAS:8042-47-5 | Mineral Oil | 10-20% |
| CAS: 123-95-5 RTECS: WI 2900000 | butyl stearate | 5-10% |
| All ingredients are listed. | | |

Chemical safety assessment: Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision: 08/04/2015 / 3

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Asp. Tox. 1: Aspiration hazard, Hazard Category 1