SAFETY DATA SHEET

HT-110 Silicone Heat Transfer Fluid

Data Prepared: July 18, 2025

SECTION 1: Identification

Product name : HT-110 Heat Transfer Fluid

Product code : HT-110

Manufacturer or supplier details

Company name of supplier : Clearco Products Co Inc.

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

Telephone : 215-366-7860

Emergency Telephone **: VelocityEHS: 1-800-255-3924 (DOMESTIC)**
+01-813-248-0585 (INTERNATIONAL)
Contract # MIS0001670

Recommended use of the chemical and restrictions on use

Recommended use : Heat Transfer fluid
Lubricant and lubricant additive

SECTION 2: Hazards identification

GHS Classification
Not a hazardous substance or mixture.
GHS Label element
Not a hazardous substance or mixture.
Other hazards
None known.

SECTION 3: Composition/information on ingredients

Substance/ Mixture : Substance
Substance Name : Iron siloxane complex
Chemical nature : Silicone

Hazardous components **:** No hazardous ingredients

SECTION 4: First aid measures

If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution. Remove contaminated clothing
Get medical attention if symptoms occur.

In case of eye contact : Flush eyes with water for at least 15 minutes.

Get medical attention if irritation develops and persists.

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

Most important symptoms and effects, both acute and delayed
None known.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO2)

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : Exposure to combustion products may be a hazard to health

Hazardous combustion products : Carbon oxides
Silicon oxides
Metal oxides
Formaldehyde

Extinguishing methods : Use water spray to cool unopened containers. Remove undamaged containers from fire area. Evacuate area.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Follow safe handing advice and personal protective equipment recommendations

Environmental precautions : Soak up spill with inert absorbant material. For large spill provide diking or other appropriate containment. Store recovered diked material in appropriate container. Follow and local and national applicable regulations on the release of spilled material and the materials used for cleanup.

SECTION 7: Handling and storage

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling	: Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	: Keep in properly labelled containers. Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents

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SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures

Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation and minimize workplace exposure concentrations.

Personal protective equipment

Eye protection	: Wear the following personal protective equipment: Safety glasses
Hand protection Remarks	: Wash hands before breaks and at the end of workday.
Skin and body protection	: Skin should be washed after contact.
Respiratory protection	: No personal respiratory protective equipment normally required.
Hygiene measures	: Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones/organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Clearco Products customer service group.

SECTION 9: Physical and chemical properties

Appearance	: liquid
Color	: brown
Odor	: characteristic
Odor Threshold	: No data available

pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point	: > 200 °C
Flash point (closed cup)	: > 300 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 0.97
Solubility(ies) Water solubility	: No data available
Partition coefficient: noctanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity Viscosity, kinematic	: 100 cSt
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

SECTION 10: Stability and reactivity

Reactivity	: Not reactive
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Use at elevated temperatures may form hazardous components. Can react with strong oxidizing agents.
Conditions to avoid	: None known.

Incompatible materials : Oxidizing agents

Hazardous decomposition products
Thermal decomposition : Formaldehyde

SECTION 11: Toxicological information

Information on likely routes of exposure
Inhalation
Skin contact
Ingestion
Eye contact
Acute toxicity
Not classified based on available information.
Skin corrosion/irritation
Not classified based on available information.
Serious eye damage/eye irritation
Not classified based on available information.
Respiratory or skin sensitization
Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.
Germ cell mutagenicity
Not classified based on available information.
Carcinogenicity
Not classified based on available information.

IARC	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.
OSHA	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.
NTP	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.

Reproductive toxicity
Not classified based on available information.
STOT - single exposure
Not classified based on available information.
STOT - repeated exposure
Not classified based on available information.
Aspiration toxicity
Not classified based on available information.

SECTION 12: Ecological information

Ecotoxicity
No data available
Persistence and degradability
No data available
Bioaccumulative potential
No data available
Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal methods

Resource Conservation and Recovery Act (RCRA)	: This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues	: Dispose of in accordance with local regulations.
Contaminated packaging	: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15: Regulatory information

EPCRA-Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	: No SARA Hazards
SARA 302	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65	WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. 2-Ethylhexanoic Acid CAS# 149-57-5 % WT:0.1%

The ingredients of this product are reported in the following inventories:

KECI	: All ingredients listed, exempt or notified.
REACH	: All ingredients (pre)-registered or exempt
IECSC	: All ingredients listed or exempt.

DSL	: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances list (DSL).
TSCA	: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS	: All ingredients listed or exempt.
ENCS/ISHL	: All components are not listed on ENCS/ISHL.
PICCS	: All ingredients listed or exempt.

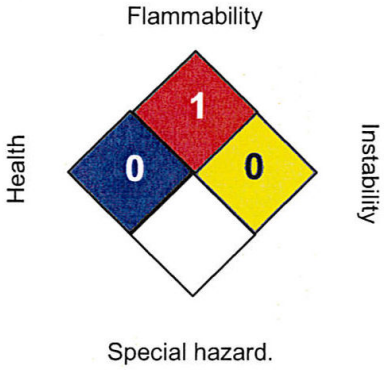
Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA(USA).

SECTION 16: Other information

Further Information

NFPA:



HMIS III:

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Sources of key data used to compile the Material Safety Data Sheet	: Interim technical data, data from raw materials SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.edu/
Revision Date	: 04/15/2015

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.