

SDS Revision Date: 06/22/2023

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 06.05.2018

ThreadFit Clear Cutting Oil

SECTION 1: Identification

Product Identifier

Product Name: ThreadFit Clear Cutting Oil

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Cutting and threading oil

Uses Advised Against: Any use than recommended above.

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

ASC Engineered Solutions
2867 Vail Avenue
Commerce, CA 90040
Phone: +1(800) 766-0076
Fax: +1(323) 890-4456

Emergency Telephone Number:

United States

Chemtrec
1300 Wilson Boulevard, Arlington VA 22209-2380
Phone: +1 (800) 424-9300 International +1 (703) 527-3887

SECTION 2: Hazard(s) Identification

GHS Classification:

This product is not classified as a "hazardous chemical" according to 29 CFR 1910.1200 amended to conform to the United Nations Global Harmonized System of Classification and Labeling of Chemicals (OSHA/GHS)

Label elements

Hazard Pictograms:

None required

Signal Word: None

Hazard statements:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA. This product should not be used for any other purpose that the intended use in Section 1 without expert advise.

Precautionary Statements:

No hazards resulting from the material as supplied. Health injuries are not known or expected under normal use. Excessive exposure may result in eye, skin and respiratory irritation.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves, protective clothing and eye protection if necessary.
P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

SDS Revision Date: 06/22/2023

Hazards Not Otherwise Classified: None as defined under 29 CFR 1910.1200**Storage:** Store in a dry, cool well-ventilated area. Keep away from heat, sparks and open flame. Use care in handling and storage. Keep containers closed when not in use. Do not store in unlabeled containers.**Empty container Warning:** Empty containers may contain residue and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SUCH SOURCES OF IGNITION.** Consider recycling where practical.**SECTION 3: Composition/Information on Ingredients**

Identification	Name	Weight %
CAS Number: 64742-54-7	Distillates (petroleum), hydrotreated heavy naphthenic	50-60
CAS Number: 64742-52-5	Distillates (petroleum), hydrotreated heavy paraffinic	30-40

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: First Aid Measures**Description of First Aid Measures****General Notes:**

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After Skin Contact:

Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, seek medical advice/attention.

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Immediately rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. If eye irritation develops or persists, seek medical advice/attention.

After Swallowing:

This product presents an aspiration hazard. If aspiration is suspected, seek emergency medical treatment. If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed**Acute Symptoms and Effects:**

Prolonged or repeated contact may result in eye, skin and respiratory irritation. Symptoms may include shortness of breath, dry cough and irritation of the nose, eyes, lips, mouth and throat.

SDS Revision Date: 06/22/2023

Delayed Symptoms and Effects:

None special. Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment**Specific Treatment:**

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures**Extinguishing Media****Suitable Extinguishing Media:**

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures**Personal Precautions, Protective Equipment, and Emergency Procedures:**

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SDS Revision Date: 06/22/2023

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	REL: 5 mg/m ³ (Oil mist, Mineral [for up to a 10-hour workday during a 40-hour workweek])
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	STEL: 10 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	IDLH: 2500 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 1100 ppm (Petroleum distillates; Naphtha, rubber solvent)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL-TWA: 350 mg/m ³ ([up to 10 hr] Petroleum distillates; Naphtha, rubber solvent)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	Ceiling Limit: 1800 mg/m ³ ([15 min] Petroleum distillates; Naphtha, rubber solvent)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL-TWA: 5 mg/m ³ ([up to 10 hr] Oil mists, mineral)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 2500 mg/m ³ (Oil mists, mineral)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	STEL: 10 mg/m ³ (Oil mists, mineral)
United States(California)	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	8-Hour TWA: 5 mg/m ³ (Oil (mineral) mist, particulate)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA-PEL: 1600 mg/m ³ ([400 ppm] Petroleum distillates; Naphtha, rubber solvent)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA-PEL: 5 mg/m ³ (Oil mists, mineral, particulate)
ACGIH	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	8-Hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)

SDS Revision Date: 06/22/2023

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA: 5 mg/m ³ (Mineral oil mist, pure, highly and severely refined, inhalable fraction)
OSHA	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA-PEL: 1600 mg/m ³ ([400 ppm] Petroleum distillates; Naphtha, rubber solvent)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA-PEL: 5 mg/m ³ (Oil mists, mineral)

Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping. Always observe good personal hygiene.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Dark Brown Viscous Liquid
Odor	Mild Sulfur
Odor threshold	Not determined or not available.
pH	Essentially Neutral

SDS Revision Date: 06/22/2023

Melting point/freezing point	Zero (0)° F
Initial boiling point/range	Greater than 600° F
Flash point (closed cup)	Great than 182.2° C
Evaporation rate	Less than 0.01 (@1ATM and 25°C. n-butyl acetate=1
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	7%
Lower flammability/explosive limit	0.9%
Vapor pressure	Less than 0.01 mm HG at 20° C
Vapor density	Greater than 1 (Air=1) >2 at 101 kPa
Density	Not determined or not available
Relative density	0.88 specific gravity
Solubilities	Insoluble in water
Partition coefficient (n-octanol/water)	>3.5
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	38-40 cSt@ 40°C
Explosive properties	Not determined or not available.
VOC Content	2.0 g/L

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Oxides of carbon and oxides of sulfur may be produced in the event of incomplete combustion.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Route	Result
Distillates (petroleum), hydrotreated heavy paraffinic	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
	inhalation	LC50 Rat: > 5.0 mg/L (4 hr [Mist])

SDS Revision Date: **06/22/2023**

Name	Route	Result
Distillates (petroleum), hydrotreated heavy naphthenic	oral	LD50 Rat: > 5,000 mg/kg
	dermal	LD50 Rabbit: > 5,000 mg/kg
	inhalation	LC50 Rat: > 5 mg/L (4 hr [aerosol])

Skin Corrosion/Irritation

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Serious Eye Damage/Irritation

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Respiratory or Skin Sensitization

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Carcinogenicity

Assessment:

Not expected to cause cancer.

Product Data: Base oils severely refined; Not carcinogenic in animal studies. Material passes IP-346.

Substance Data: Test(s) equivalent or similar to OECD guidelines 451 453

Name	Species	Result
Distillates (petroleum), hydrotreated heavy paraffinic		Will not cause cancer.
Distillates (petroleum), hydrotreated heavy naphthenic		The substance contains less than 3% DMSO extract as measured by IP 346 (Base oils only).

International Agency for Research on Cancer (IARC):

Name	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	Not Applicable
Distillates (petroleum), hydrotreated heavy naphthenic	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	Not Applicable
Distillates (petroleum), hydrotreated heavy naphthenic	Not Applicable

SDS Revision Date: 06/22/2023

OSHA Carcinogens: Not applicable**Germ Cell Mutagenicity****Assessment:** Based on available data, the classification criteria are not met.**Product Data:**

No data available.

Substance Data: No data available.**Reproductive Toxicity****Assessment:** Based on available data, the classification criteria are not met.**Product Data:**

No data available.

Substance Data: No data available.**Specific Target Organ Toxicity (Single Exposure)****Assessment:** Based on available data, the classification criteria are not met.**Product Data:**

No data available.

Substance Data: No data available.**Specific Target Organ Toxicity (Repeated Exposure)****Assessment:** Based on available data, the classification criteria are not met.**Product Data:**

No data available.

Substance Data: No data available.**Aspiration toxicity****Assessment:**

Based on available date, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	No data available.
Distillates (petroleum), hydrotreated heavy naphthenic	No data available.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information**Acute (Short-Term) Toxicity****Assessment:** Based on available data, the classification criteria are not met.**Product Data:** No data available.**Substance Data:**

SDS Revision Date: 06/22/2023

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10000 mg/L (48 hr [EL50 - mobility])
Distillates (petroleum), hydrotreated heavy naphthenic	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10000 mg/L (48 hr [EL50 - mobility])

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction])
Distillates (petroleum), hydrotreated heavy naphthenic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy naphthenic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy naphthenic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy naphthenic	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

Results of PBT and vPvB assessment

SDS Revision Date: 06/22/2023

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

Distillates (petroleum), hydrotreated heavy paraffinic	This substance is a UVCB. This substance does not contain constituents included in the SVHC candidate list as PBT at concentrations above 0.1%.
Distillates (petroleum), hydrotreated heavy naphthenic	This substance is a UVCB. This substance does not contain constituents included in the SVHC candidate list as PBT at concentrations above 0.1%.

vPvB assessment:

Distillates (petroleum), hydrotreated heavy paraffinic	This substance is a UVCB. This substance does not contain constituents included in the SVHC candidate list as vPvB at concentrations above 0.1%.
Distillates (petroleum), hydrotreated heavy naphthenic	This substance is a UVCB. This substance does not contain constituents included in the SVHC candidate list as vPvB at concentrations above 0.1%.

Other Adverse Effects: Ecological injuries not expected under normal use.

SECTION 13: Disposal Considerations

Disposal Methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

RCRA information: The unused product is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D) nor is it formulated to contain materials which are listed as hazardous waste.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SDS Revision Date: 06/22/2023

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

- Inventory Listing (TSCA):** All ingredients are listed-active or exempt.
- Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.
- Export Notification under TSCA Section 12(b):** None of the ingredients are listed.
- SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.
- SARA Section 313 Toxic Chemicals:** None of the ingredients are listed.
- CERCLA:** None of the ingredients are listed.
- RCRA:** None of the ingredients are listed.
- Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

Massachusetts Right to Know:

64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed

New Jersey Right to Know:

64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed

New York Right to Know: None of the ingredients are listed.

Pennsylvania Right to Know:

64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed

California Proposition 65: None of the ingredients are known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water Toxic Enforcement Act of 1986: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, **ASC Engineered Solutions** makes no representations as to the completeness or accuracy thereof. **ASC Engineered Solutions** makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose since the conditions of use are beyond our control. **ASC Engineered Solutions** assumes no responsibility for injury to recipient or to third persons for any damage to any property or recipient. The responsibility to provide a safe workplace remains with the user.

HMIS: Health = 1, Flammability = 1, Physical Hazard = 0, Personal Protection = B

NFPA: Health = 1, Flammability = 1, Instability = 0

WHMIS DSL Status Canada: Not controlled.

Prepared By: Human Resources Department

Initial Preparation Date: 06.05.2018

Revision date: 06.22.2023



ThreadFit® Clear Cutting Oil Safety Data Sheet



SDS Revision Date: 06/22/2023

End of Safety Data Sheet