



Fire Protection Products, Inc.  
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# SAFETY DATA SHEET

Last Updated: 6-1-2015

Section 1 IDENTIFICATION	
<b>ThreadFit® Cutting Oil, Clear</b>	
<b>Manufacturer Information</b> Fire Protection Products, Inc. 3198 Lionshead Avenue Carlsbad, CA 92010 Phone: +1 (800) 344-1822 Fax: +1 (800) 344-3775	<b>Emergency Contact</b> CHEMTREC 1300 Wilson Boulevard Arlington, VA 22209-2380 Phone: +1 (800) 424-9300 International: +1 (703) 527-3887
<b>Product Use</b>	Cutting Oil
Section 2 HAZARDS IDENTIFICATION	
<b>Hazard Classification</b>	This product is not classified as hazardous according to 29 CFR 1910, amended to conform to the United Nations Global Harmonized System of Classification and Labeling of Chemicals (OSHA/GHS).
<b>Hazard Not Otherwise Classified</b>	None as defined under 29 CFR 1910
<b>Hazard Statements</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA. This material should not be used for any other purpose than the intended use in Section 1 without expert advice.
<b>Precautionary Statements</b>	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 or respiratory irritation.
<b>Potential Health Effects</b>	<b>Routes of Exposure:</b> Ingestion, Skin Contact, Eye Contact, Inhalation <b>Eyes:</b> Exposure may cause irritation <b>Skin:</b> Prolonged or excessive skin contact may cause mild skin irritation <b>Inhalation:</b> Prolonged or excessive inhalation may cause respiratory tract irritation <b>Ingestion:</b> No significant adverse effects are expected upon ingestion of this product. Small amounts (a tablespoon) swallowed during normal handling operations are not likely to cause injury; swallowing larger amounts than that may cause injury. <b>Signs and Symptoms:</b> May cause eye/skin irritation. Inhalation of vapors in high concentrations may cause irritation of respiratory systems.
<b>Response</b>	In the case of fire, refer to section 5. In the case of spill, refer to section 6 In the case where first aid is required, refer to section 4.
<b>Storage</b>	Keep in a dry, cool well-ventilated place. Keep away from heat, sparks and open flame. Use care in handling/storage. Keep container closed when not in use. Do not store in unlabelled containers.
<b>Empty Container Warning</b>	Empty containers may contain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. Empty containers should be disposed of in accordance with all Federal, state and local regulations. Consider recycling where practical.

Section 3		COMPOSITION/INFORMATION ON INGREDIENTS
<b>Component Name</b>	<b>CAS Number</b>	<b>Weight %</b>
Severely Hydrotreated Base Oil	64742-54-7	40-60
Hydrotreated Heavy Naphthenic	64742-52-5	20-30
Section 4		
<b>Inhalation</b>	No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If symptoms are experienced, remove source of contamination or move victim to fresh air.	
<b>Skin</b>	Wash contact area with soap and water. Get medical attention if irritation develops or persists.	
<b>Eye</b>	Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.	
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. Drink water as a precaution. Do not induce vomiting without medical advice. If ingestion of a large amount does occur, seek medical attention.	
<b>Symptoms</b>	May cause eye/skin irritation. Inhalation of vapors in high concentration may cause irritation of the respiratory system.	
<b>General Advice</b>	No hazards which require special first aid. Not expected to be toxic. Seek medical attention if ill effects develop.	
Section 5		
<b>Flash Point, ASTM D-92</b>	Greater than 182.2 °C	
<b>Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide.	
<b>Special Firefighting Procedures/Equipment</b>	Wear suitable protective gear. In the event of fire, wear self-contained breathing apparatus. Use MSHA/NIOSH (approved or equivalent).	
<b>Unusual Fire and Explosion Hazards</b>	None special. Irritating and/or toxic gases may be emitted upon the products decomposition.	
<b>Additional Information</b>	Do not scatter spilled material with high pressure water streams.	
Section 6		
<b>Personal Precautions</b>	Keep unnecessary personnel away. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.	
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Notify appropriate authorities if necessary.	
<b>Methods and Materials Use for Containment</b>	Eliminate all ignition sources (NO SMOKING, FLARES, SPARKS OR FLAMES IN THE IMMEDIATE AREA). Stop leak if you can do so without risk. Dike the spilled material where this is possible. Do not allow to enter sewers and waterways.	
<b>Methods for Clean Up</b>	For larger spills, absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Do not allow the spill to enter sewers or waterways. For small spills, wipe with an absorbent material. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.	
Section 7		
<b>Handling</b>	Do not handle or store near open flames, sources of heat or sources of ignition. Protect material from direct sunlight. Do not get this material in contact with skin or eyes. Handle open container with care. Avoid breathing vapors or mists of this product.	
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Use care in handling/storage. Keep container closed when not in use.	

**EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Section 8**

Exposure Guidelines			
Components	CAS-No.	Type	Value
Severely hydrotreated base oil	64742-54-7	ACGIH TLV	5 mg/m <sup>3</sup>
Hydrotreated Heavy Naphthenic	64742-52-5	ACGIH TLV	5 mg/m <sup>3</sup>
Engineering Controls	Provide local and general exhaust to effectively remove and prevent buildup of any vapors or mists generated for the handling or use of this product.		
Personal Protection	Eye/Face Protection: Wear chemical goggles. If splashes occur, wear face shield		
	Skin Protection: Wear suitable protective clothing including oil impervious gloves		
	Respiratory Protection: No personal respiratory protective equipment normally required. If mist is generated (heating or spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.		
General Measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothes and protective equipment to remove contaminants. Practice good housekeeping.		

**PHYSICAL AND CHEMICAL PROPERTIES**

**Section 9**

Appearance: Light amber liquid	Evaporation Rate: Not Determined
Odor: Typical sulfurized oil odor	DMSO Extract (mineral oil only, IP-346 <3 % wt
Odor Threshold: Not Available	Upper/lower Flammability LEL 0.9 UEL 7.0
pH: Not Applicable	Vapor Pressure: <0.013 kPa (0.1 mm Hg) at 20 °C
Melting Point/Freezing Point: 0 °F	Vapor Density: (air=1) >2 at 101 kPa
Boiling Point and Boiling Range: > 600 °F	Relative Density: 0.8735 specific gravity
Flash Point: > 182.2 °C	Solubility: Negligible
Partition Coefficient: > 3.5	Auto-Ignition Temperature: Not Determined
Decomposition Temperature: Not Determined	Viscosity: approximately 35 cSt @ 40 °C
VOC Content: 2.0 g/L	

**STABILITY AND REACTIVITY**

**Section 10**

Reactivity	See sub-sections below.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	Will not occur.
Conditions to Avoid	Heat, flames and sparks. None known. Avoid temperatures exceeding the flash point. This product may react with strong oxidizing agents.

<b>Hazardous Decomposition</b>	Carbon oxides and sulfur oxides
<b>TOXICOLOGICAL INFORMATION</b>	
<b>Section 11</b>	
<b>Ingestion Toxicity</b>	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401
<b>Skin Toxicity</b>	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402
<b>Eye Irritation</b>	May cause mild, short-lasting discomfort to eyes. Based on test data structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405
<b>Respiratory Irritation</b>	Minimally toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403
<b>Chronic Toxicity</b>	No data available
<b>Carcinogenicity</b>	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 451 453
<b>Other</b>	For the product itself: Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests.
<b>ECOLOGICAL INFORMATION</b>	
<b>Section 12</b>	
<b>Ecotoxicity</b>	Material not expected to be harmful to aquatic organisms.
<b>Degradability</b>	Biodegradation: Material – Expected to be inherently biodegradable
<b>Other</b>	Ecological injuries are not known or expected under normal use. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
<b>DISPOSAL CONSIDERATIONS</b>	
<b>Section 13</b>	
<b>Waste Disposal Method</b>	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Protect the environment. Dispose of used oil at designated sites. Minimize skin contact. Do not mix oils with solvents, brake fluids or coolants. 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. However, after use it is the responsibility of the user to determine the products status for disposal.
<b>TRANSPORT INFORMATION</b>	
<b>Section 14</b>	
<b>UN Number</b>	Not Regulated for Land Transport
<b>UN Proper Shipping Name</b>	Not Applicable
<b>Transport Hazard Class</b>	Not Regulated for Land Transport
<b>Canadian Transportation of Dangerous Goods</b>	Not Regulated for Land Transport
<b>Marine Pollutants</b>	Not regulated for Sea Transport according to IMDG-Code Marine Pollutant: No

<b>Air (IATA)</b>	Not regulated for Air Transport.
<b>Section 15 REGULATORY INFORMATION</b>	
<b>TSCA Status</b>	All components are on the U. S. EPA TSCA Inventory list.
<b>SARA 311/312 Reportable Hazard Categories</b>	None Listed
<b>California Prop 65</b>	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
<b>WHMIS DSL Status (Canada)</b>	Not controlled
<b>Section 16 OTHER INFORMATION</b>	
<b>Additional Information</b>	<p style="text-align: center;"><b>HMIS ratings:</b> Health = 1, Flammability = 1, Physical Hazard = 0, Personal Protection = B</p> <p style="text-align: center;"><b>NFPA ratings:</b> Health = 1, Flammability = 1, Instability = 0</p>
	There are no Red List materials included in this product.
<b>Prepared By</b>	Human Resource Department
<b>Revised Date</b>	June 1, 2015
<b>Disclaimer</b>	Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, <b>Fire Protection Products, Inc.</b> makes no representations as to the completeness or accuracy thereof. <b>Fire Protection Products, Inc.</b> makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose since the conditions of use are beyond our control. <b>Fire Protection Products, Inc.</b> assumes no responsibility for injury to recipient or to third persons for any damage to any property and recipient.