Safety Data Sheet

Section 1: Product and Company Identification

Product Code: TF7001, TF7004, TF7016, TF7028, TF7640, TF7041

Product Name: Threading & Cutting Fluid

Company Name: Alfa Mfg. Industries, Inc.
7845 N. Merrimac Ave.
Morton Grove, Illinois 60053

Phone Number: 847-470-9595

Emergency Phone: 800-535-5053

Section 2: Hazards Identification

OSHA Defined Hazards: Not classified.

GHS HAZARD CLASS
Physical Hazards: Not classified.

Health Hazards: Acute toxicity – Category 4 (Oral)
Skin irritation – Category 2
Serious eye damage/eye irritation – Category 2a
Skin sensitization - 1

Environmental Hazards: Hazardous to the Aquatic Environment, Acute - 3

GHS Symbol/Pictogram:

GHS Signal Word: **Warning**

GHS Hazard Statements: Causes Skin Irritation.
Causes Eye Irritation.
May Be Harmful If Swallowed.
May Cause An Allergic Skin Reaction.
Harmful to Aquatic Life.

GHS Precaution Phrases: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Do not eat, drink or smoke when using this product.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Avoid breathing dust, fumes, gas, mist, vapors, spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, face protection.

GHS Response Phrases: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. Do not induce vomiting.
IF ON SKIN: Wash with plenty of water.
IF ON SKIN (or hair): Remove contaminated clothing. Rinse skin with water. IF skin irritation occurs, get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF eye irritation persists, get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
Specific treatment (see first aid section).
In case of fire: Use foam, CO_2, dry chemical.

GHS Storage Phrases: Store in a well ventilated place. Keep container closed when not in use. Keep cool. Store locked up.

GHS Disposal Phrases: Dispose of contents/container in accordance with local/state/federal regulations. Avoid release to the environment.

Section 3: Composition/Information On Ingredients

Mixture: Yes

CAS number	Hazardous Components (Chemical Name)	Wt. %
64742-52-5	Highly Refined Petroleum Oils *	90-100%
64742-54-7		
25155-30-0	Sodium Dodecylbenzenesulfonate	1-2%
	* Hazardous Only If Misted	

Section 4: First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

In Case of Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

In Case of Eye Contact: Immediately flush 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. Get medical attention.

In Case of Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5: Firefighting Measures

Extinguishing Media:

Suitable:	Foam, CO_2, dry chemicals, water fog or mist.
Unsuitable:	Do not use water jet.
Specific Hazards:	In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous Decomposition Products:	Oxides of carbon, sulfur.
Special Precautions – Fire Fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if it can be done without risk. No action shall be taken involving any personal risk or without suitable training.
Special Protective Equipment – Fire Fighters:	Wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment And Emergency Procedures

For Non-Emergency Personnel:	Take no action involving personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery, use care to avoid falling.
For Emergency Responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For Non-Emergency Personnel”.
Environmental Precautions:	Avoid dispersal of spilled products and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product causes environmental pollution.

Steps to be taken in case material is released or spilled

Small Spill:	Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large Spill:	Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Section 7: Handling & Storage

Precautions to be taken in Handling:

Protective Measures: Put on appropriate personal protective equipment (See Section 8). Do not swallow. Avoid contact with eyes, skin, clothing. Avoid breathing vapor and mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Precautions to be taken in Storing:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep away from heat, sparks and open flame. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Other Precautions:

General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 8: Exposure Controls/Personal Protection

Exposure Limits

Ingredient Name	Exposure Limits	
Highly Refined Petroleum Oil *	ACGIH TLV-TWA	5 mg/m3 As Mist; 8 Hours
	NIOSH STEL	10 mg/m3 As Mist
	NIOSH TWA	5 mg/m3 As Mist
	OSHA PEL-Ceiling	5 mg/m3 As Mist
Sodiumdodecylbenzenesulfonate	Not Established	

* Hazardous Only If Misted

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

Hygiene Measures:

Wash hands, forearms and face thoroughly after handling chemical products and before eating, smoking or using the lavatory as well as at the end of the work period. Wash contaminated clothing before reusing.

Respiratory Protection:

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Eye Protection:

Safety glasses equipped with side shields in conjunction with a face shield are recommended in industrial settings.

Skin Protection:

Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

Section 9: Physical & Chemical Properties

Physical State:	Liquid.
Color:	Amber.
Odor:	Mild hydrocarbon.
Odor Threshold:	Not available.
Ph:	None.
Melting Point:	0 F
Freezing Point: (Pour Point)	0 F
Initial Boiling Point:	>600 F
Boiling Range:	>600 F
Drop Point:	Not applicable.
Flash Point:	>390
Evaporation Rate:	Does not evaporate.
Explosive Limits:	
Upper:	Not available.
Lower:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.9
Density:	7.5 Pounds/gallon
Solubility:	Insoluble in water.
Auto Ignition Temperature:	>600 F
Decomposition Temperature:	Not available.
Viscosity:	200 SUS @ 100 F
Partition coefficient: (n-octanol/water)	Not available.
Volatile Organic Compounds:	0%, wt% (LVP)

Section 10: Stability & Reactivity

Chemical Stability:	This product is stable under normal conditions.
Reactivity:	Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS definitions
Possibility Of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions To Avoid:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible Materials:	Reactive or incompatible with the following materials: Strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of carbon and sulfur.

Section 11: Toxicological Information

Primary Routes Of Exposure: Eye contact, Ingestion, Inhalation, Skin contact

Acute Toxicity: Acutely Toxic – 4 (Oral)

Information On Toxicological Effects - Effects Of Overexposure

Inhalation: Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).

Skin Contact: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

Eye Contact: Contact with the eye causes irritation. May cause tearing, redness and discomfort.

Ingestion: This material may be harmful or fatal if swallowed or liquid is aspirated into lungs. Ingestion may cause gastrointestinal tract irritation. May cause diarrhea.

Chronic Hazards: Defatting of the skin.

Sensitization Respiratory: Not classified

Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Non-mutagenic based on Modified Ames Assay.

Fertility Effects: Contains no ingredient listed as toxic to reproduction.

Specific Target Organ Toxicity
Single Exposure: Not classified.

Repeated Exposure: Not classified.

Aspiration Hazard: Not classified.

Carcinogenicity: Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. This product is not listed as a carcinogen by IARC, OSHA, NTP.

Section 12: Ecological Information

Ecotoxicity: Not available.

Persistence & Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility In Soil: Not available.

Other Adverse Effects: Harmful to Aquatic Life.

Section 13: Disposal Considerations

Disposal Methods: Waste generation should be avoided or minimized wherever possible. Dispose of in accordance with federal, state, and local regulations. After the container has been emptied, it may contain hazardous residues. Avoid sparks and open flame. Do not cut, puncture, or weld on or near the container. Do not reuse the container for any purpose until properly reconditioned.

RCRA Classification: Not a hazardous waste.

Section 14: Transport Information

DOT (US Department of Transportation):

UN#	Not regulated.
Description:	Petroleum Oil, nos.
Transport Hazard Class:	None.
Packing Group:	None.

Section 15: Regulatory Information

TSCA Section 12(b) Export notification (40 CFR 707 Subpart D): None

CERCLA Hazardous Substance List (40 CFR 302.4): Sodiumdodecylbenzenesulfonate

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA Section 302 – Threshold Planning Quantity : None

SARA Title III – Section 311/312

Immediate/Acute Health Effects :	Yes
Fire Hazard :	No
Delayed/Chronic Health Effects :	Yes
Reactivity Hazard :	No
Sudden Release Of Pressure Hazard :	No

Chemical Release Reporting:

SARA Section 313 :	Not listed
CERCLA :	Not listed

TSCA Inventory : All product ingredients are listed on the chemical inventory.

Clean Air Act

Ozone Depleting Compounds :	No

Section 16: Other Information

Revision Date:	06/2015
Preparer Name:	Not available.
Additional Information:	No data available.
Company Policy or Disclaimer:	Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.

HMIS HAZARD CLASS:

Health	1 (Slight)
Fire	1 (Slight)
Reactivity	0 (Least)
Personal Protection	B