Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard 29 CFR 1910.1200.
This standard must be consulted for specific requirements.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dark Thread Cutting Oil
Product Models: 49-08-5100

Drawing Number: MM00293151
Issue Date: April 2023
Supersedes Date: -

Milwaukee Electric Tool Corporation
13135 West Lisbon Road
Brookfield, Wisconsin 53005
www.milwaukeetool.com

Company Phone Number: 262-781-3600 or 1-800-729-3878
Emergency Contact Number: 1-800-424-9300
Chemtrec: United States only

Recommended intended purpose to be used as a lubricant

SECTION 2: HAZARDS IDENTIFICATION

Health	Environmental	Physical
Eye Irritation: No classified hazards	**Acute Toxicity:** No classified hazards	**Flammable liquid**: No classified hazards
Skin Irritation: No classified hazards	**Chronic Toxicity:** No classified hazards	
Acute Toxicity, Oral: No classified hazards		
Acute Toxicity, Inhalation: No classified hazards		

GHS Label
No applicable labeling

Classified Hazards

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200. This SDS contains valuable information for the safe handling and proper use of this product. Save this SDS for future reference.

Other Hazards

None known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade-secret components.

Chemical characterization

Chemical Name	CAS #	Concentration[1]
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	60 - <100%
Dialkyl Polysulfide	Confidential	5 - <10%
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	1 - <5%

SECTION 4: FIRST AID MEASURES

EYE CONTACT:

Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

SKIN CONTACT:

Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.

INHALATION:

If signs or symptoms of overexposure occur, remove the person to fresh air. If symptoms persist, seek medical attention.

INGESTION:

Rinse mouth thoroughly however, if symptoms of ingestion persist, seek medical attention. Do NOT induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

NFPA 704 Hazard Class

No Data

HMIS

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

EXTINGUISHING MEDIA:

In accordance with NFPA guidance, dry chemical, foam, or CO2 fire extinguishers are all acceptable. Note that while water fog extinguishers are also acceptable, **DO NOT** apply a direct stream of water onto burning product because it may cause spreading and increase fire intensity.

UNUSUAL FIRE & EXPLOSION HAZARDS:

No further data known.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus for fires beyond the incipient stage. See Section 8 of the SDS for other PPE to be worn as conditions warrant.

See Section 9 for Flammable Properties including Flash Point and Flammable (explosive) limits.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Clean-Up Measures:

Important: As with any spill or lead, before responding ensure that you are familiar with the potential hazards and recommendations of the SDS. Appropriate personal protective equipment must be worn. See Section 8 of this SDS for PPE recommendations.

If possible, safely contain the spill with dikes or other spill response equipment appropriate for petroleum or organic material releases. Take measures to prevent spreading of product. Note that while product will ignite it will not readily burn. However, as a precaution eliminate ignition sources. Prevent from entering sewers or waterways. Large volumes may be transferred to an appropriate container for proper disposal. Small volumes or residues may be soaked up with absorbents. Spill response materials should be collected for proper disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING:

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this SDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

Product residue in empty containers is combustible but will not readily burn. NOTE however, that excessive heating or cutting of empty containers may create an ignitions source sufficient to start a fire and in extreme cases, cause an explosion.

STORAGE:

Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use. Avoid contact with oxidizing agents.

SPECIAL COMMENTS:

No further data known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

Chemical Name	OSHA	ACGIH TLV	California Prop 65 Reg. Y/N	IARC/NTP Y/N
Paraffin oils (petroleum), catalytic dewaxed heavy - Inhalable fraction.	-	TWA 5 mg/m^3	N	N
Paraffin oils (petroleum), catalytic dewaxed heavy - Mist.	PEL: 5 mg/m^3 TWA: 5mg/m^3	-	N	N
Distillates (petroleum), hydrotreated heavy paraffinic - Mist.	PEL: 5 mg/m^3 TWA: 5mg/m^3	-	N	N
Note: This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication Standard.				

EYE PROTECTION

Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

SKIN PROTECTION:

Gloves are not normally needed during normal conditions of use. If health effects are experienced, oil or chemical resistant gloves such as butyl or nitrile are recommended.

Where splashing or soaking is likely, wear oil or chemical resistant clothing to prevent exposure.

RESPIRATORY PROTECTION:

A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH/MSHA approved respirator appropriate for the type and physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator use should comply with the OSHA Respirator Protection Standard found in CFR 1910.134.

ENGINEERING CONTROLS:

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 2 of this MSDS.

The user may wish to refer to 29 CFR 1910.1000 (d) (2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Data represent typical values and are not intended to be specifications. NA=Not Applicable; ND=Not Determined

Physical state: ..... Liquid
Colour: ..... Dark Amber
Odor: ..... ND
Odor Threshold: ..... ND
pH: ..... ND
Melting/Freezing Point: ..... ND
VOC Content: ..... ND
Boiling Point: ..... NA
Flash Point: ..... 193°C(3790°F)
Evaporation Rate: ..... NA
Specific Gravity: 0.8966
.....

Flammability (solid, gas): ..... ND
Upper Explosive Limits (vol % in air): ..... ND
Lower Explosive Limits (vol % in air): ..... ND
Vapor pressure: ..... ND
Vapor density: ..... ND
Relative density: 0.8966
Solubility: ..... ND
Partition Coefficient: ..... ND
Auto-ignition Temperature: ..... ND
Decomposition Temperature: ..... ND
Viscosity: ..... 44mm2/s (40°C)
VOC: ..... 1.81% (Method 24)

SECTION 10: STABILITY AND REACTIVITY

INCOMPATIBLE MATERIALS:

No data available.

DECOMPOSITION PRODUCTS MAY INCLUDE:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Contains a component which may release flammable substances, including trimethylpentene, by distillation in systems with solvent recovery. This may lead to accumulation in the solvent circuit.

CONDITIONS TO AVOID:

Avoid contact with incompatible materials and exposure to extreme temperatures.

POLYMERIZATION:

No data available.

CHEMICAL STABILITY:

Material is stable under normal conditions.

REACTIVITY:

Stable under normal ambient and anticipated conditions of use.

SECTION 11: TOXICOLOGY INFORMATION

LIKELY ROUTES OF EXPOSURE:

Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation: Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Eye contact: Eye contact is possible and should be avoided.
Skin contact: Prolonged skin contact may cause redness and irritation.

ACUTE SYMPTOMS AND EFFECTS:

Inhalation: No further toxicological data known
Eye contact: No further toxicological data known
Skin contact: No further toxicological data known
Ingestion: No further toxicological data known

OTHER:

No further data known.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: ATEmix (): 2000 - 5000 mg/kg
Dermal Product: ATEmix (): 2000 - 5000 mg/kg
Inhalation Product: No data available.
Repeated dose toxicity Product: No data available.
Skin Corrosion/Irritation Product: No data available.
Serious Eye Damage/Eye Irritation Product: No data available.
Respiratory or Skin Sensitization Product: No data available.
Carcinogenicity Product: No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended: No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product: No data available.
In vivo Product: No data available.
Reproductive toxicity Product: No data available.
Specific Target Organ Toxicity - Single Exposure Product: No data available.
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.
Aspiration Hazard Product: No data available.
Other effects: No data available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

TOXICITY:

No data available

PERSISTENCE AND DEGRADABILITY (BIOPERSISTENCY & BIODEGRADABILITY):

No data available

POTENTIAL OF BIOACCUMULATION:

No data available

MOBILITY IN SOIL:

No data available

OTHER ADVERSE EFFECTS:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

SECTION 14: TRANSPORT INFORMATION

DOT HAZARDOUS MATERIAL INFORMATION:

Not otherwise DOT regulated.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified as hazardous under GHS

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

SECTION 16: OTHER INFORMATION

ABBREVIATIONS:

TSCA..... Toxic Substance Control Act
ICAO..... International Civil Aviation Organization
IMDG..... International Maritime Dangerous
OSHA..... Occupational Safety and Health
IARC/NTP ..... International Agency for Research on Cancer/National Toxicology Program
SARA ..... Superfund Amendments and Reauthorization Act of 1986

ACGIH..... American Conference of Governmental Industrial Hygienists
NIOSH/MSHA ..... National Institute for Occupational Safety Health/
Mine Safety and Health Administration
WHMIS.....Workplace Hazardous Materials Information System

Prepared by: Milwaukee Electric Tool Corporation

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