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**SAFETY DATA SHEET**

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**Section 1 – Product & Company Identification**

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Product Name ..... : RIDGID Dark Thread Cutting Oil  
Product Catalog No..... : 41590, 70830, 41610, 41600  
  
Recommended Use..... : Thread Cutting  
  
Company Name ..... : Ridge Tool Company  
Address ..... : 400 Clark Street  
  : Elyria, Ohio 44035-6001  
Telephone ..... : 1-800-519-3456 (USA) (8:00 am – 5:00 pm EST, M-F)  
Emergency Telephone ..... : call 9-1-1 or local emergency number  
Website ..... : www.RIDGID.com  
  
Issue Date ..... : May 29, 2015

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**Section 2 – Hazards Identification**

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This product is classified as not hazardous per US OSHA 29CFR 1910.1200 (HazCom 2012) and Canada's Hazardous Products Regulations (WHMIS 2015).

GHS Label Elements: Not applicable

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**Section 3 – Composition / Information On Ingredients**

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<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Mineral Oil	Confidential	40-100%

**This product does not contain silicone or chlorinated additives.**

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

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**Section 4 – First Aid Measures**

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**INGESTION:**

Rinse mouth thoroughly. Call a Poison Center or doctor if you feel unwell. Do NOT induce vomiting.

**INHALATION:**

Move to fresh air. Call a Poison Center or doctor if you feel unwell.

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**SKIN CONTACT:**

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

**EYE CONTACT:**

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

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

Symptoms:

No data available.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Treatment:

Get medical attention as appropriate or if symptoms persist

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**Section 5 – Fire Fighting Measures**

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**GENERAL FIRE HAZARDS:**

No unusual fire or explosion hazards noted.

**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA**

Suitable extinguishing media:

No data available.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Heat may cause the containers to pressurize and possibly rupture. During fire, gases hazardous to health may be formed.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

Special firefighting procedures:

No data available.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment appropriate for Industrial fires.

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### **Section 6 – Accidental Release Measures**

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#### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

See Section 8 of the SDS for Personal Protective Equipment. Do not handle damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

#### **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

#### **ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so and protect against releases into the environment. Remediate as appropriate.

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### **Section 7 – Handling And Storage**

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#### **PRECAUTIONS FOR SAFE HANDLING:**

Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. End-users should follow industry best practices for handling and using this product. Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids

#### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

#### **SHELF LIFE:**

720 days

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**Section 8 – Exposure Controls / Personal Protection**

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**EXPOSURE LIMITS:**

Chemical name	type	Exposure Limit Values	Source
Mineral oil - Mist.	PEL	5 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Mineral oil - Mist.	STEL	10 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

**PROTECTIVE MEASURES:**

Use personal protective equipment as required.

**RESPIRATORY PROTECTION:**

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**EYE PROTECTION:**

Wear safety glasses with side shields (or goggles).

**SKIN AND BODY PROTECTION:**

Wear protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**HYGIENE MEASURES:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Discard contaminated footwear that cannot be cleaned. Avoid contact with skin, eyes, and clothing.

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**Section 9 – Physical And Chemical Properties**

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Appearance	
Physical State	Liquid
Form	No data available
Color	Black
Odor	Mild petroleum
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	196 °C (385 °F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%)	No data available
Flammability limit - lower (%)	No data available
Explosive limit – upper (%)	No data available
Explosive limit – lower (%)	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.878
Solubility(ies)	
Solubility in water	Insoluble
Solubility (other)	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	42.5 mm <sup>2</sup> /s (40 °C, measured)
VOC	2 g/l

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### Section 10 – Stability And Reactivity

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**REACTIVITY:**

Not reactive during normal use.

**CHEMICAL STABILITY:**

No data available.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

None under normal conditions.

**CONDITIONS TO AVOID:**

Avoid heat or contamination.

**INCOMPATIBLE MATERIALS:**

No data available.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

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### Section 11 – Toxicological Information

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**INFORMATION ON 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.

**Skin Contact:**

Prolonged skin contact may cause redness and irritation.

**Eye contact:**

Eye contact is possible and should be avoided.

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**INFORMATION ON TOXICOLOGICAL EFFECTS**

## Acute toxicity

## Oral Product:

ATEmix (): 2000 - 5000 mg/kg

## Dermal Product:

ATEmix (): 2000 - 5000 mg/kg

## Inhalation Product:

ATEmix (, 4h): &gt; 5000 mg/l dusts, mists and fumes

## 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):

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

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### **Section 12 – Ecological Information**

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#### GENERAL INFORMATION:

This product has not been evaluated for ecological toxicity or other environmental effects.

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### **Section 13 – Disposal Consideration**

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#### DISPOSAL INSTRUCTIONS:

Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

#### CONTAMINATED PACKAGING:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### **Section 14 – Transportation Information**

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This material is not subject to transport regulations.

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### **Section 15 – Regulatory Information**

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#### US FEDERAL REGULATIONS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)  
Hazard categories - None  
SARA 313 (TRI Reporting)  
None present or none present in regulated quantities.

#### US STATE REGULATIONS

US. California Proposition 65  
No component is regulated by CA Prop 65.



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**Section 16 – Other Information**

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Prepared by:..... Ridge Tool Company

Issue Date: ..... May 29, 2015

Last Revision Date: ..... May 29, 2015

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