



Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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- Ingestion:  
Ingestion may cause slight gastrointestinal irritation, nausea, vomiting and diarrhea
- Potential Chronic Health Effects  
No further data known.
- Medical Conditions Aggravated By Exposure:  
No further data known.
- Carcinogenicity:  
This product is not listed as a known or suspected carcinogen by IARC, OSHA or the NTP.

HMIS RATING:

Health	Flammability	Reactivity	PPE
1	1	0	X

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### Section 3 – Composition / Information On Ingredients

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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.

<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Propylene Glycol	57-55-6	< 70
Triethanolamine	102-71-6	< 5
Nonylphenol ethoxylate	9016-45-9	15 - 40

**This product does not contain silicone.**

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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### Section 4 – First Aid Measures

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#### EYE CONTACT:

Upon direct eye contact, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If irritation is due to exposure to mist or vapors, remove the individual to fresh air. If irritation persists, flush the eyes with clean water until the irritation subsides. If symptoms persist, contact a physician.

#### SKIN CONTACT:

Remove product from the skin by washing with a mild soap and water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

#### INHALATION:

Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove the employee to fresh air. Contact a physician or other medical professional if irritation or distress persists.

#### INGESTION:

If small amounts are ingested, first aid measures are not likely to be necessary. If larger amounts are ingested or if symptoms of ingestion occur, dilute stomach contents with two glasses of water or milk. (NOTE: Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously, keep airway clear. If symptoms of ingestion persist, seek medical attention.

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### Section 5 – Fire Fighting Measures

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#### FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint.....: 292°F COC  
Flammability Limits.....: LEL - N/A  
UEL - N/A

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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**EXTINGUISH 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 AND EXPLOSION HAZARDS:**

No further data known.

**HAZARDOUS COMBUSTION PRODUCTS:**

Combustion byproducts may include oxides of carbon, oxides of nitrogen, hydrochloric acid fumes and incompletely burned hydrocarbons in the form of fumes and smoke.

**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 MSDS for other PPE to be worn as conditions warrant.

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**Section 6 – Accidental Release Measures**

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**PERSONAL PRECAUTIONS:**

Use personal protection recommended in Section 8.

**ENVIRONMENTAL:**

This material is a water pollutant. Do not let spilled or leaking material enter waterways.

**CLEAN-UP MEASURES:**

Important: As with any spill or leak, before responding, ensure that you are familiar with the potential hazards and recommendations of the MSDS.

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.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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## Section 7 – Handling And Storage

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### 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 MSDS 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 ignition 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.

### SPECIAL COMMENTS:

Do not mix with nitrites. This product contains an amine that may react, under certain conditions, with nitrites to form nitrosamines.

Provide adequate ventilation to protect against exposure to ethylene oxide which may collect in the head space of containers or in enclosed areas where the product is used.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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

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**EXPOSURE GUIDELINES:**

## Component

Propylene Glycol	AIHA WEEL:	8 hr TWA: 50 ppm (total) 10 mg / m <sup>3</sup> (aerosol)
Triethanolamine	OSHA PEL/ACGIH TWA:	5mg / m <sup>3</sup>
Nonylphenol Ethoxylate	OSHA PEL/ACGIH TWA:	Not Available

**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.

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.

**PERSONAL PROTECTIVE EQUIPMENT:**

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.

- **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.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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- **Skin Protection**  
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. 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 29 CFR 1910.134 or CSA Standard Z94.4-93: Selection, Use and Care of Respirators.
- **General Hygiene Considerations**  
Wash thoroughly after handling.

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### Section 9 – Physical And Chemical Properties

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Physical Appearance:.....: Amber  
Odor. ....: Characteristic  
Physical State.....: Liquid  
Water Solubility.....: Soluble  
Specific Gravity.....: 1.035 @ 15.6°C  
VOC .....: 65%

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### Section 10 – Stability And Reactivity

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**STABILITY:**

This product is stable at room temperature.

**CONDITIONS TO AVOID:**

Do not mix with nitrites. This product contains an amine that may react, under certain conditions, with nitrites to form nitrosamines. Avoid contact with incompatible materials and exposure to extreme temperatures.

**INCOMPATIBLE MATERIALS:**

This product is incompatible with strong oxidizing agents.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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**DECOMPOSITION PRODUCTS MAY INCLUDE:**

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and gasses may evolve when the material burns. Combustion by-products may include:

oxides of carbon, ammonia and oxides of nitrogen, and incompletely burned hydrocarbons as fumes and smoke

**POSSIBILITY OF HAZARDOUS REACTIONS:**

This product is not expected to polymerize

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**Section 11 – Toxicological Information**

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**ACUTE:**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Nonylphenol Ethoxylate	3780	Not Available	Not Available

**ORAL LD<sub>50</sub>:**

Notes: Not Determined

**INHALATION LC<sub>50</sub>:**

Notes: Not Determined

**CHRONIC:** No further toxicological data known.

**SENSITIZATION:** Contact with a component of this product may cause an allergic skin reaction in a small percentage of the population.

**REPRODUCTIVE EFFECTS:** No further toxicological data known.

**TERATOGENIC EFFECTS:** No further toxicological data known.

**MUTAGENICITY:** No further toxicological data known.

**SYNERGISTIC MATERIALS:** No further toxicological data known.

**CARCINOGENICITY:** This product is not listed as a known or suspected carcinogen by IARC, OSHA or the NTP.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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

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#### **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.

#### **ENVIRONMENTAL FATE:**

The degree of biodegradability and persistence of this product has not been determined.

#### **VOC CONTENT:**

65%

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

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#### **WASTE DISPOSAL:**

Ensure that collection, transport, treatment and disposal of waste product, rinsate and containers 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.

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

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#### **U.S. DOT HAZARDOUS MATERIAL INFORMATION:**

Not DOT regulated.

#### **CANADA TRANSPORT OF DANGEROUS GOODS:**

TDG NOTE: This product is not regulated by TDG.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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**Section 15 – Regulatory Information**

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**U.S. FEDERAL REGULATIONS:****SARA 313:**

This product contains NONE of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CERCLA REPORTABLE QUANTITY:**

Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Releases of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

None to report

**TOXIC SUBSTANCE CONTROL ACT:**

The components of this product are listed on the TSCA Inventory.

**OZONE DEPLETING SUBSTANCES:**

This product contains no ozone depleting substances as defined by the Clean Air Act.

**HAZARDOUS AIR POLLUTANTS:**

Any components listed below are defined by the Federal EPA as hazardous air pollutants:

Glycol ether

**STATE REGULATIONS:**

No further data known

**CANADA:**

WHMIS Classification: D2B – Toxic Material

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):**

This product is a WHMIS controlled substance. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Product Name.....: RIDGID Thread Cutting Fluid – 1210 Machine

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**Section 16 – Other Information**

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Prepared by: . . . . . Ridge Tool Company

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