



Product Name..... : Roll Groover Hydraulic Oil

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**SKIN CONTACT:**

Wash with soap and water. Wash clothing separately before reuse.

**EYE CONTACT:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

**NOTES TO PHYSICIAN**

Treat symptomatically.

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**Section 5 – Fire Fighting Measures**

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**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA**

Suitable extinguishing media:

Use water fog, foam, dry chemical, or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

Unsuitable extinguishing media:

CAUTION: Water stream may spread fire.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, Fume, Incomplete combustion products, Oxides of carbon.

**FIRE FIGHTING INSTRUCTIONS**

In the event of fire, cool tanks with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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**Section 6 – Accidental Release Measures**

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

Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section 8.)

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

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Forms smooth, slippery surfaces on floors, posing an accident risk. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

Product Name..... : Roll Groover Hydraulic Oil

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**ENVIRONMENTAL PRECAUTIONS:**

Prevent entry into waterways, sewers, basement or confined areas. Avoid runoff into storm sewers and ditches which lead to waterways.

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**Section 7 – Handling And Storage**

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**PRECAUTIONS FOR SAFE HANDLING:**

Wash thoroughly after handling.

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

Keep container closed when not in use.

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

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**EXPOSURE LIMITS:**

Petroleum oil, highly refined	ACGIH TLV 5 mg/m <sup>3</sup> TWA	PEL 5 mg/m <sup>3</sup> TWA	STEL N/A
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**ENGINEERING CONTROLS:**

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**PROTECTIVE MEASURES:**

Use personal protective equipment as required.

**EYE PROTECTION:**

Wear safety glasses.

**SKIN AND BODY PROTECTION:**

Protective gloves and clothing are recommended.

**HYGIENE MEASURES:**

Always observe good personal hygiene measures, such as washing after handling the material before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

Product Name..... : Roll Groover Hydraulic Oil

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**Section 9 – Physical And Chemical Properties**

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Appearance	
Physical State	Liquid
Form	No data available
Color	Yellow
Odor	Mild
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point	> 522 °F
Flash point	476 °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
Density	7.278 lbs/gal
Specific Gravity	0.874
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	68.9 cSt@100°F
VOC	12 g/l

Product Name..... : Roll Groover Hydraulic Oil

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### Section 10 – Stability And Reactivity

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**REACTIVITY:**

Not reactive during normal use.

**CHEMICAL STABILITY:**

Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

None under normal conditions.

**CONDITIONS TO AVOID:**

Excessive heat. High energy sources of ignition. Strong caustic agents.

**INCOMPATIBLE MATERIALS:**

Strong oxidizers. Acids. Reducing agents. Nitric acid.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Incomplete combustion may produce carbon monoxide and other asphyxiants. Aldehydes. Oxides of nitrogen. Oxides of Phosphorus. Oxides of sulfur. Oxides of Zinc. Hydrogen sulfide and alkyl mercaptans may also be released.

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### Section 11 – Toxicological Information

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**ACUTE ORAL TOXICITY**

ATEmix (Oral): > 4000mg/kg

**ACUTE INHALATION TOXICITY**

ATEmix (Inhalation): > 5.0 mg/L 4 hours

**ACUTE DERMAL TOXICITY**

ATEmix (Dermal): > 5000 mg/kg

**SKIN IRRITATION**

Not expected to cause skin irritation.

**EYE IRRITATION**

Not expected to cause eye irritation.

**REPRODUCTIVE TOXICITY**

No data to indicate that the product is a reproductive toxin.

**SKIN SENSITIZATION**

No data to indicate that the product will be a skin sensitizer.

**GERM CELL MUTAGENICITY**

No data to indicate that the product will be a germ cell mutagen.

**CARCINOGENICITY**

No components present at 0.1% or greater are listed on IARC.

Product Name..... : Roll Groover Hydraulic Oil

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**STOT-SINGLE EXPOSURE**

No data to indicate that the product will cause specific target organ toxicity after single exposure.

**STOT-REPEATED EXPOSURE**

No data to indicate that the product will cause specific target organ toxicity after repeated exposure.

**ASPIRATION HAZARD**

None

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**Section 12 – Ecological Information**

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**ECOTOXICITY EFFECTS**

No data available.

**PERSISTENCE AND DEGRADABILITY**

No data available

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**Section 13 – Disposal Consideration**

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**DISPOSAL INSTRUCTIONS:**

According to local, state, and federal regulations.

**CONTAMINATED PACKAGING:**

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

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**Section 14 – Transportation Information**

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This material is not subject to transport regulations.

Product Name..... : Roll Groover Hydraulic Oil

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**Section 15 – Regulatory Information**

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**US REGULATIONS**

SARA Sections 311 and 312

Immediate (Acute) Health Hazard: YES. Delayed (Chronic) Health Hazard: YES. Fire Hazard: NO. Reactive Hazard: NO. Sudden Release of Pressure Hazard: NO.

SARA (313) TOXIC RELEASE INVENTORY

No known reportable quantities.

CERCLA (Comprehensive Environmental Response and Liability Act of 1980, S 103)

No known reportable quantities.

EPCRA

No known reportable quantities.

IARC

No components listed on IARC.

U.S. STATE RIGHT TO KNOW

California Proposition 65-Chemicals Known to the State to Cause Cancer  
No Components Listed.

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**Section 16 – Other Information**

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Prepared by:..... Ridge Tool Company

Issue Date: ..... August 12, 2015

Last Revision Date: ..... August 12, 2015

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