

## MATERIAL SAFETY DATA SHEET

### Section I

<b>PRODUCT NAME OR NUMBER (as it appears on label)</b> Rottler Hone Coolant	<b>DATE</b> March 2003
<b>MANUFACTURER'S NAME</b> Rottler Manufacturing	<b>EMERGENCY PHONE #</b> Rottler: 253-872-7050 Chemtrec: 800-424-9300
<b>ADDRESS</b> 8029 South 200 <sup>th</sup> Street, Kent, WA 98032 USA	
<b>HAZARDOUS MATERIAL DESCRIPTION, SHIPPING NAME, HAZ. CLASS, HAZ. ID#</b> None	
<b>ADDITIONAL HAZARD CLASSES (as applicable)</b> None	
<b>CHEMICAL FAMILY</b> Water Miscible Cutting & Grinding Fluid Concentrate	<b>FORMULA</b> See Section II

### SECTION II – INGREDIENTS

CAS REGISTRY#	Wt. %	CHEMICAL NAME	Listed as a carcinogen in NTP, LARC, or OSHA 1910 (specify)
102-71-6	10-19	Triethanolamine ACGIH(TLV): TWA=5mg/m <sup>3</sup>	Not listed
141-43-5	1-9	Monoethanolamine ACGIH(TLV): TWA=3ppm, STEL=6mg/m <sup>3</sup> OSHA PEL : TWA=3ppm, STEL=6mg/m <sup>3</sup>	Not listed
Balance classified as non-hazardous Ingredients			

### SECTION III-PHYSICAL DATA

<b>BOILING POINT</b> Not available	<b>SPECIFIC GRAVITY</b> (H <sub>2</sub> O=1) @20 C 1.07	<b>ODOR THRESHOLD (ppm)</b> Not available
<b>VAPOR PRESSURE</b> Not available	<b>PERCENT VOLATILE (Vol.%)</b> Not available	<b>PERCENT SOLID (Wt.%)</b> Not available
<b>VAPOR DENSITY</b> Not available	<b>EVAPORATION RATE</b> Not available	<b>FREEZING POINT (C)</b> Not available
<b>SOLUBILITY IN WATER</b> 100%	<b>pH</b> (10% solution) 8.5	<b>MATERIAL IS</b> Liquid
<b>APPEARANCE &amp; ODOR</b> Fluorescent with mild odor	<b>VOLATILE ORGANIC COMPONENTS (VOC)</b> Not available	

### SECTION IV – FIRE AND EXPLOSION HAZARD DATA

<b>FLASHPOINT</b> None	<b>METHOD USED</b> LEL/UEL	<b>FLAMMABLE LIMITS</b> Not available	<b>AUTO-IGNITION TEMPERATURE (C)</b> Not available
<b>EXTINGUISHING MEDIA</b> As appropriate for surrounding fire			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> None			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None			

**SECTION V – HEALTH HAZARD DATA****THRESHOLD LIMIT VALUE**

See Section II

**EFFECTS OF OVEREXPOSURE – Conditions to avoid**

Transient eye irritation.

Possible skin defatting and subsequent irritation on repeated or prolonged contact.

**PRIMARY ROUTES  
OF ENTRY****Inhalation:**  
**Skin Contact:** X**Eye Contact:**  
**Ingestion:****EMERGENCY AND FIRST AID PROCEDURES****EYES:** Flush with cool, clean water for at least 15 minutes.**SKIN:** Wash with soap and warm water.**INHALATION:** Remove to fresh air.**INGESTION:** If large quantities are ingested, pump stomach.

In every case, get medical attention as required.

**SECTION VI – REACTIVITY DATA****STABILITY:** UNSTABLE:  
STABLE : X**HAZARDOUS  
POLYMERIZATION****MAY OCCUR:  
WILL NOT OCCUR: X****CONDITIONS TO AVOID**

None

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Avoid strong oxidizing agents, strong acids and nitrites.

**HAZARDOUS DECOMPOSITION PRODUCTS**Thermal decomposition may produce CO, CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub>**SECTION VII – SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Mop up or use dry absorbent.

**WASTE DISPOSAL METHOD**

Acid – Alum split

Dispose in accordance with local, state and federal regulations.

**SECTION VIII SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION (Specify type)**

None

**VENTILATION****Local exhaust (Specify rate):** Not normally required.

Special: None

**Mechanical (general) (Specify rate):** General room ventilation should be sufficient. Other: None**PROTECTIVE GLOVES (Specify type)**

None

**EYE PROTECTION (Specify type)**

Safety glasses

**OTHER PROTECTIVE EQUIPMENT**

None

**SECTION IX – SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep container closed.

Wash thoroughly after handling.

**OTHER PRECAUTIONS**

None