1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: THE COOLER
Product Number: 2990C
Recommended Use: Cutting fluid
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier:
Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

Canadian Agent:
Perley-Robertson, Hill & McDougal, LLP
340 Albert Street, Suite 1400
Ottawa, ON, Canada K1R 0A5

Medical Emergency/Information: 888-314-6171 (24 Hour)

2. HAZARDS IDENTIFICATION

GHS Classification
Acute toxicity - Inhalation (Dusts/Mists) Category 4
Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2A
Reproductive Toxicity: Category 1B

GHS Label Elements
Signal Word: Danger
Symbols:

Hazard Statements:
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation
May damage fertility or the unborn child

Precautionary Statements:
Prevention:
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wear eye / face protection
Wear protective gloves
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash hands and any exposed skin thoroughly after handling.

Response:
If exposed or concerned: Get medical attention.
-Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Skin
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse

-Inhalation:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell
3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>62.5-65.0</td>
</tr>
<tr>
<td>triethanolamine</td>
<td>102-71-6</td>
<td>20.0-22.5</td>
</tr>
<tr>
<td>boric acid</td>
<td>10043-35-3</td>
<td>2.5-5.0</td>
</tr>
<tr>
<td>oleic acid</td>
<td>112-80-1</td>
<td>2.5-5.0</td>
</tr>
<tr>
<td>alcohol ethoxylate</td>
<td>34398-01-1</td>
<td>1.0-2.5</td>
</tr>
<tr>
<td>propylene glycol</td>
<td>57-55-6</td>
<td>1.0-2.5</td>
</tr>
<tr>
<td>linoleic acid</td>
<td>60-33-3</td>
<td>1.0-2.5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.
- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- **Note to Physicians:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire.

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid</td>
<td>STEL: 6 mg/m³ inhalable fraction</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>10043-35-3</td>
<td>TWA: 2 mg/m³ inhalable fraction</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Engineering Controls:**
Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

- **Eye/Face Protection:** Wear splash goggles.
- **Skin and Body Protection:** Wear rubber or other chemical-resistant gloves.
- **Respiratory Protection:** Not required with expected use.
  
  If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**
Wash hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance/Physical State:** Liquid
- **Color:** Blue
- **Odor:** Pine fragrance
- **pH:** 8.4-8.8
- **Melting Point / Freezing Point:** No information available.
- **Boiling Point / Boiling Range:** 100 °C / 212 °F
- **Flash Point:** > 100 °C / > 212 °F ASTM D56
- **Evaporation Rate:** < 1 (BuAc = 1)
- **Flammability (solid, gas):** No information available.
- **Upper Flammability Limit:** No information available.
- **Lower Flammability Limit:** No information available.
- **Vapor Pressure:** No information available.
- **Vapor Density:** No information available.
- **Specific Gravity:** 1.04
- **Solubility(ies):** Soluble in water
- **Partition Coefficient:** No information available.
- **Autoignition Temperature:** No information available.
- **Decomposition Temperature:** No information available.
- **Viscosity:** No information available.

10. STABILITY AND REACTIVITY

- **Reactivity:** This material is considered to be non-reactive under normal conditions of use.
- **Chemical Stability:** Stable under normal conditions.
- **Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.
- **Conditions to Avoid:** Extremes of temperature and direct sunlight.
- **Incompatible Materials:** Strong oxidizing agents. Strong acids.
- **Hazardous Decomposition:** May include carbon monoxide, carbon dioxide (CO2) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

- **Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.
- **Symptoms of Exposure:**
  - **-Eye Contact:** Pain, redness, swelling of the conjunctiva and blurred vision.
  - **-Skin Contact:** Pain, redness and cracking of the skin.
  - **-Inhalation:** Nasal discomfort and coughing.

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-Ingestion:
Pain, nausea, vomiting and diarrhea.

Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Numerical Measures of Toxicity
The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATE mix (oral): 14712 mg/kg
ATE mix (dermal): 35935 mg/kg
ATE mix (inhalation-dust/mist): 3 mg/l

Component Acute Toxicity Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>&gt; 90 mL/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>boric acid</td>
<td>2660 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 0.16 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>oleic acid</td>
<td>25 g/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>propylene glycol</td>
<td>20000 mg/kg (Rat)</td>
<td>20800 mg/kg (Rabbit)</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/Aquatic Plants</th>
<th>Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid</td>
<td>Not Available</td>
<td>1020: 72 h Carassius auratus mg/L LC50 flow-through</td>
<td>Not Available</td>
<td>115 - 153: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>oleic acid</td>
<td>Not Available</td>
<td>205: 96 h Pimephales promelas mg/L LC50 static</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>propylene glycol</td>
<td>19000: 96 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50</td>
<td>Not Available</td>
<td>10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static</td>
</tr>
</tbody>
</table>

Persistence and Degradability: No information available.
Bioaccumulation: No information available.
Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

TDG / DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product
15. REGULATORY INFORMATION

**DSL / NDSL Status:** (Domestic Substances List / Non-Domestic Substances List)
The chemical substances in this product are included on or exempt from listing on the Canadian DSL / NDSL.

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)
All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**
This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**
- **Acute Health Hazard:** Yes
- **Chronic Health Hazard:** Yes
- **Fire Hazard:** No
- **Sudden release of pressure hazard:** No
- **Reactive Hazard:** No

16. OTHER INFORMATION

**Revision Date:** 18-Nov-2016
**Reasons for Revision:** No information available.

**Disclaimer:**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet