1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CRYOTOOL PLUS CUTTING FLUID
Recommended use: Cutting fluid
Information on Manufacturer:
Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code: 70050000
Chemical nature: Mixture

Emergency Telephone Number:
CHEMTREC® 800-424-9300
Telephone inquiry
800-336-0450

2. HAZARD IDENTIFICATION

Color: Amber
Physical State: Liquid
Odor: Petroleum

GHS
Classification
Physical Hazards
None
Health Hazard
Aspiration Toxicity
Category 1
Acute Oral Toxicity
Category 5
Acute Dermal Toxicity
Category 4
Serious Eye Damage/Eye Irritation
Category 2B
Carcinogenicity
Category 1B
Other hazards
None

Labeling
Signal Word
DANGER

3. COMPOSITION / INFORMATION ON INGREDIENTS

45% of the mixture consists of ingredient(s) of unknown toxicity
## 4. FIRST AID MEASURES

**General advice**
No hazards which require special first aid measures.

**Eye Contact**
Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

**Skin Contact**
Wash off with soap and plenty of water. No hazards which require special first aid measures. Get medical attention if irritation develops and persists.

**Inhalation**
Move to fresh air. If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion**
Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.

**Notes to physician**
Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point**
Not applicable

**Method**
Not applicable

**Suitable Extinguishing Media**
Dry powder. Foam. Water spray or fog.

**Unsuitable Extinguishing Media**
Do NOT use water jet.

**Specific hazards arising from the chemical**
Thermal decomposition can lead to release of irritating gases and vapors. Material can create slippery conditions.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**
Health 1 Flammability 1 Instability 0

**HMIS**
Health 1 Flammability 1 Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

**Environmental Precautions**
Do not flush into surface water or sanitary sewer system.

**Methods for Containment**
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**Methods for Cleaning Up**
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**Neutralizing Agent**
Not applicable.

## 7. HANDLING AND STORAGE

**Handling**
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

**Storage**
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage Temperature**
Minimum No information available Maximum No information available

**Storage Conditions**
Indoor X Outdoor Heated Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine</td>
<td>TWA: 5 mg/m³</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Engineering Measures**
General ventilation is normally adequate. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**
Eye/Face Protection
Safety glasses with side-shields.

Skin Protection
Nitrile rubber, Neoprene gloves. For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection
No special protective equipment required.

General Hygiene Considerations
Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
<th>Viscosity</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Amber</td>
<td>Odor</td>
<td>Petroleum</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
<td>Appearance</td>
<td>Clear, amber colored</td>
</tr>
<tr>
<td>pH</td>
<td>9.0</td>
<td>Specific Gravity</td>
<td>0.90</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td>Percent Volatile (Volume)</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>2.65</td>
<td>Vapor Pressure</td>
<td>&lt;0.5 mmHg @ 68°F</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>1.0</td>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>n-Octanol/Water Partition</td>
<td>No data available</td>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>Boiling Point/Range</td>
<td>212 °F / 100 °C</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td>Method</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper</td>
<td>No data available</td>
<td>Lower</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions. Hazardous polymerization does not occur. Stable.

Conditions to Avoid
None known

Incompatible Products
No materials to be especially mentioned

Hazardous Decomposition Products
Carbon oxides

Possibility of Hazardous Reactions
None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information
No information available.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine</td>
<td>4190 mg/kg (Rat)</td>
<td>&gt; 20 mL/kg (Rabbit)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Component Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine</td>
<td>no data available</td>
<td>Skin sensitization</td>
<td>no data available</td>
<td>no data available</td>
<td>Immune system, liver, kidney, CNS, blood, testes</td>
</tr>
</tbody>
</table>

Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>A2</td>
<td>Group 1</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Chlorinated paraffin</td>
<td>not applicable</td>
<td>Group 2B</td>
<td>not applicable</td>
<td>X</td>
<td>not applicable</td>
</tr>
</tbody>
</table>
### 12. ECOLOGICAL INFORMATION

#### Product Information
No information available.

#### Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>no data available</td>
<td>LC50 &gt; 5000 mg/L Oncorhynchus mykiss 96 h</td>
<td>no data available</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td>N/A</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>EC50 = 169 mg/L Desmodesmus subspicatus 96 h</td>
<td>LC50 10000 - 13000 mg/L Pimephales promelas 96 h</td>
<td>EC50 &gt; 10000 mg/L 30 min</td>
<td>no data available</td>
<td>-2.53</td>
</tr>
</tbody>
</table>

#### Persistence and Degradability
No information available.

#### Bioaccumulation
No information available.

#### Mobility
No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Product Disposal
Dispose of in accordance with local regulations.

#### Container Disposal
Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

#### DOT
Not regulated

#### TDG
Not regulated

#### ICAO
Not regulated

#### IATA
Not regulated

#### IMDG/IMO
Not regulated

### 15. REGULATORY INFORMATION

#### Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>U.S. Federal Regulations</td>
<td></td>
</tr>
</tbody>
</table>

#### SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

#### CERCLA

#### U.S. State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorinated paraffin</td>
<td>61788-76-9</td>
<td>carcinogen</td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

**Prepared By**
Christopher Drogin

**Supercedes Date**
04/17/2012
Partsmaster, Div of NCH Corp. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.