1. PRODUCT AND COMPANY IDENTIFICATION

Product Name THREAD-EZE SAMPLE, NAC NC

Recommended use Lubricant

Emergency on Manufacturer
ARCH DIV. OF NCH CORP.

Product Code 5912

Chemical Nature mixture

Emergency Telephone Number
CHEMTREC 800-424-9300

152710
TYG, TX 75015

2. HAZARDS IDENTIFICATION

Emergency Overview
WARNING

Causes eye irritation
May cause skin irritation

Physical State Grease

Eye contact, Skin contact.

Inhalation

Causes eye irritation.
May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
May cause irritation of respiratory tract.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Liver and kidney injuries may occur. Contains a known or suspected carcinogen.
Liver, Kidney, Respiratory system, Eyes, Skin, Central nervous system, Bone Marrow, Spleen.
Respiratory disorders, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.
See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>1314-12-2</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>White mineral oil, solvent refined</td>
<td>8042-47-5</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>82980-54-9</td>
</tr>
</tbody>
</table>

product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General Advice
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 min
Get medical attention immediately.
Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Do NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point
455°F/235°C

Ignitability Temperature
No information available.

Flammability Limits
No information available.

Extinguishing Media

Specific hazards arising from the chemical
Material can create slippery conditions.

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

Health 2

Health 2

6. ACCIDENTAL RELEASE MEASURES

Initial Precautions

Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Do not allow material to contaminate ground water system.

Environmental Precautions

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

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Minimum Indoor 0°F/−18°C X Outdoor X Maximum Heated X Refrigerated 150°F/66°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

喘气 Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>10 mg/m³ STEL (respirable fraction); 2 mg/m³ TWA (respirable fraction)</td>
<td>5 mg/m³ TWA (fume); 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
<td>500 mg/m³ IDLH; 5 mg/m³ TWA dust and fumes; 10 mg/m³ STEL (fume)</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>No data available</td>
<td>15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
<td>10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>No data available</td>
<td>No data available</td>
<td>50 mg/m³ IDLH (respirable dust); 0.05 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>White mineral oil, solvent refined</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>No data available</td>
<td>IDLH 2500 mg/m³</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>No data available</td>
<td>No data available</td>
<td>STEL 10 mg/m³</td>
</tr>
</tbody>
</table>

measuring Measures

Ensure adequate ventilation, especially in confined areas.

Surgical Protective Equipment

Eye/Face Protection

Skin Protection

Respiratory Protection

General Hygiene Considerations

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Gray</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>0.98</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.98</td>
</tr>
<tr>
<td>Tensile strength (g/L)</td>
<td>0</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Semi-Solid</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Oily</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.00 mmHg @ 70°F</td>
</tr>
<tr>
<td>Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Heat Capacity</td>
<td>No data available</td>
</tr>
<tr>
<td>Heat of Fusion</td>
<td>No data available</td>
</tr>
<tr>
<td>Heat of Vaporization</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stable. Hazardous polymerization does not occur.

Heat, flames, and sparks

Strong oxidizing agents. Strong acids.

Carbon oxides, Zinc oxide fumes, Fumes of aluminum.

None under normal processing.

11. TOXICOLOGICAL INFORMATION

No information available.

Component Information

<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>Zinc oxide</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>&gt; 500 mg/kg (Rat)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Aluminum benzoate fatty acid complex</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
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</table>

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>Zinc oxide</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>respiratory system</td>
</tr>
</tbody>
</table>

Lung cancer

<table>
<thead>
<tr>
<th>Component</th>
<th>Inorganicity</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
</tbody>
</table>


### 12. ECOLOGICAL INFORMATION

- **Toxicity to Algae**
  - Zinc oxide: No data available
  - Calcium carbonate: No data available
  - Crystalline Silica (Quartz): No data available
  - White mineral oil, solvent refined: No data available
  - Aluminum benzolate fatty acid complex: >10000 mg/L, Lepomis macrochirus 96 h

- **Toxicity to Fish**
  - No data available

- **Microtox**
  - No data available

- **Water Flea**
  - No data available

- **Log P**
  - No data available

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

- Not regulated

### 15. REGULATORY INFORMATION

Complies

Federal Regulations


d 313

313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirement and Title 40 of the Code of Federal Regulations, Part 372

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>7-13</td>
<td>1.0</td>
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</table>

**4.311/312 Hazardous Categorization**

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

### CLP

- **Component**
  - Zinc oxide
  - Calcium carbonate
  - Crystalline Silica (Quartz)
  - White mineral oil, solvent refined
  - Aluminum benzolate fatty acid complex

- **Hazardous Substances RQs**
  - Not applicable

- **CERCLA EHS RQs**
  - Not applicable

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by European legislations.
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