Material Safety Data Sheet

*** Section 1 - Chemical Product and Company Identification ***

Product Name: PRAESTOL A3040L

Chemical Name: Anionic emulsion copolymer

Manufacturer Information

<table>
<thead>
<tr>
<th>Stockhausen, Inc.</th>
<th>Phone: Non-emergency # (800) 242-2271</th>
</tr>
</thead>
<tbody>
<tr>
<td>2401 Doyle Street</td>
<td>Emergency # (800) 424-9300 CHEMTREC (NA)</td>
</tr>
<tr>
<td>Greensboro, NC</td>
<td>International # (703) 527-3887 CHEMTREC (Call Collect)</td>
</tr>
</tbody>
</table>

General Comments

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

*** Section 2 - Hazards Identification ***

Emergency Overview

Irritant to eyes and Skin. OSHA classifies this product as an irritant under 29 CFR1910.1200.

Potential Health Effects: Eyes

Irritant to the eyes.

Potential Health Effects: Skin

Irritant to the skin.

Potential Health Effects: Ingestion

May be harmful if swallowed. Seek medical attention.

Potential Health Effects: Inhalation

Avoid prolonged inhalation of heated and/or concentrated vapors.

HMIS Ratings: Health: 1  Fire: 1  Reactivity: 0  Pers. Prot.: B

Hazard Scale: 0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe  * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>25085-02-3</td>
<td>2-Propenoic acid, sodium salt, polymer with 2-propenamide</td>
<td>30-40</td>
</tr>
<tr>
<td>64742-47-8</td>
<td>Petroleum distillates, hydrotreated light</td>
<td>20-30</td>
</tr>
<tr>
<td>127087-87-0</td>
<td>Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-ω-hydroxy-,branched</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Component Information/Information on Non-Hazardous Components

All Components are on Listed on TSCA (40 CFR 700)
*** Section 4 - First Aid Measures ***

**First Aid: Eyes**
Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention.

**First Aid: Skin**
Flush thoroughly with water.

**First Aid: Ingestion**
If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.

**First Aid: Inhalation**
Inhalation of mists into lungs may cause pulmonary disorder. Move victim to fresh air. Consult physician regarding any continued discomfort.

*** Section 5 - Fire Fighting Measures ***

**General Fire Hazards**
Petroleum hydrocarbon component, if separated from product, is combustible. Vapors can ignite under certain conditions, explosively. Flashpoint of product is > 200°F

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Flammable Limit (UFL)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower Flammable Limit (LFL)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Method Used</td>
<td>Pensky Marten PMCC</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;200°F</td>
</tr>
<tr>
<td>Flammability Classification</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Hazardous Combustion Products**
On thermal decomposition oxides of carbon and nitrogen.

**Extinguishing Media**
Dry chemical, foam, carbon dioxide, water fog.

**Fire Fighting Equipment/Instructions**
Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA Ratings**
- Health: 1
- Fire: 1
- Reactivity: 0

**Hazard Scale**
- 0 = Minimal
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe

*** Section 6 - Accidental Release Measures ***

**Containment Procedures**
Remove sources of ignition. Contain spill with inert materials (sand, earth, absorbent). Wear protective gear during cleanup.

**Clean-Up Procedures**
Do not allow spills to enter soil or surface water. Absorb spill with inert material. Shovel material into appropriate container for disposal. Remove sources of ignition.

**Evacuation Procedures**
Isolate area. Keep unnecessary personnel away.

**Special Procedures**
Avoid skin contact and inhalation of vapors during disposal of spills. Wear appropriate protective equipment and clothing during clean-up. Follow all local, state, federal and provincial regulations for disposal. Remove spills promptly as they may make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.
*** Section 7 - Handling and Storage ***

Handling Procedures
Handle as an eye and respiratory tract irritant.

Storage Procedures
Store in a dry, closed container.

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

A: Component Exposure Limits
No information is available.

Engineering Controls
Provide adequate ventilation to minimize worker exposure.

PERSONAL PROTECTIVE EQUIPMENT
Personal Protective Equipment: Eyes/Face
Wear safety glasses with side shields or goggles.

Personal Protective Equipment: Skin
Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.

Personal Protective Equipment: Respiratory
Not required under normal operating conditions.

Personal Protective Equipment: General
Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

*** Section 9 - Physical & Chemical Properties ***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Milky white liquid</td>
</tr>
<tr>
<td>Odor:</td>
<td>Mild hydrocarbon odor</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Not Established</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility (H2O):</td>
<td>Emulsion-soluble in water.</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>~1 (water = 1)</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>&lt;1 (butyl acetate =1)</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt; 200°F (PMCC)</td>
</tr>
</tbody>
</table>

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
Stable under usual application conditions.

Chemical Stability: Conditions to Avoid
None identified.

Incompatibility
Strong oxidizers.

Hazardous Decomposition
None identified.

Hazardous Polymerization
Hazardous polymerization will not occur.
*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity
A: General Product Information
Eye and skin irritant. May aggravate existing medical conditions such as rashes, allergies or other sensitive areas. Symptoms may include reddening, swelling of affected areas with possible itching, burning or other discomfort.

B: Acute Toxicity-LD50/LC50
LC 50: Ceriodaphnia dubia
48 hours: 11.0 ppm

LC50: Pimphales promelas
48 hours: 31.4 ppm

Carcinogenicity
A: General Product Information
NTP: No
IARC: No
OSHA: No

B: Component Carcinogenicity
Petroleum distillates, hydrotreated light (64742-47-8)
ACGIH: A3 - Animal Carcinogen (as total hydrocarbon vapor)

Chronic Toxicity
No information is available

*** Section 12 - Ecological Information ***

Ecotoxicity
A: General Product Information
C.O.D.: 2,176,000 mg/l
B.O.D.: 548,000 mg/l

B: Component Analysis - Ecotoxicity - Aquatic Toxicity
No information available,

Environmental Fate
Not Established.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions
A: General Product Information
Incinerate or dispose of solidified product according to local, state and federal regulations.

B: Component Waste Numbers
No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions
Contain and collect using absorbent material if needed. Flush residuals to drain for normal biological treatment. Place collected material into suitable containers for proper disposal.

*** Section 14 - Transportation Information ***

International Transportation Regulations
This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.
*** Section 15 - Regulatory Information ***

US Federal Regulations
A: General Product Information
   SARA 313 reportable toxic chemicals - None
B: Clean Air Act
   No information is available.
C: Component Analysis
   No information is available.

State Regulations
B: Component Analysis – State
   This product contains <0.1% residual acrylamide (CAS # 79-06-1), and the following states recognize acrylamide as a carcinogen or suspected carcinogen: CA (Prop 65), MA, MN, NJ & PA.

Component Analysis - WHMIS IDL
   No components are listed in the WHMIS IDL.

Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propenoic acid, sodium salt, polymer with 2-propenamide</td>
<td>25085-02-3</td>
<td>Yes</td>
<td>DSL</td>
<td>Not regulated as a polymer</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>64742-47-8</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-ω-hydroxy-,branched</td>
<td>127087-87-0</td>
<td>Yes</td>
<td>DSL</td>
<td>Not regulated as a polymer</td>
</tr>
</tbody>
</table>

*** Section 16 - Other Information ***

Other Information
The information provided in this Material 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 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.

MSDS History
Sections 2 & 3 have been reversed to reflect newly proposed August 2004 Standards format recommendation for 2007 implementation.

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS ID: WT-149B