CD-High Foam
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 03/09/2017 Revision date: 03/13/2017 Supersedes: 03/13/2017 Version: 5.1

SECTION 1: Identification

1.1. Identification
Product form: Mixture
Trade name: CD-High Foam
Product code: 0308

1.2. Recommended use and restrictions on use
Recommended use: Surface cleaning

1.3. Supplier
Synthetic Labs
24 Victory Lane
Dracut, MA 01826 - United States
T 800.255.4050 - F 978.957.5122
www.syntecpro.com

1.4. Emergency telephone number
Emergency number: 24 Hour Medical Emergency Number: 1-800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin corrosion/irritation Category 1A: Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1: Causes serious eye damage

2.2. GHS Label elements, including precautionary statements
GHS-US labeling
Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger
Hazard statements (GHS-US): Causes severe skin burns and eye damage
Causes serious eye damage
Precautionary statements (GHS-US): Do not breathe mist, spray, vapors.
Wash hands, forearms and face thoroughly after handling.
Wear eye protection, protective gloves.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center or doctor.
Specific treatment (see supplemental first aid instruction on this label):
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene Glycol Monoethyl Ether</td>
<td>(CAS-No.) 34590-94-8</td>
<td>5 - 10</td>
<td>Flam. Liq. 4, H227</td>
</tr>
<tr>
<td>Alcohols, Ehoxylated</td>
<td>(CAS-No.) 68439-46-3</td>
<td>1 - 5</td>
<td>Acute Tox. 4 (Oral), H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact: Burns.
Symptoms/effects after eye contact: Serious damage to eyes.
Symptoms/effects after ingestion: Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


5.2. Specific hazards arising from the chemical

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Displacement Metasilicate (6834-92-0)</th>
<th>Dipropylene Glycol Monoethyl Ether (34590-94-8)</th>
<th>Alcohols, Ethoxylated (68439-46-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable</td>
<td>OSHA PEL (TWA) (mg/m³) 600 mg/m³</td>
<td>OSHA PEL (TWA) (ppm) 100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSBH PEL (TWA) (ppm) 100 ppm</td>
<td>OSBH PEL (TWA) (ppm) 100 ppm</td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
<td></td>
<td>ACBH TWA (ppm) 1 ppm</td>
<td>ACBH TWA (ppm) 1 ppm</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>OSHA PEL (TWA) (ppm) 1 ppm</td>
<td>OSHA PEL (TWA) (ppm) 1 ppm</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>OSHA PEL (STEL) (ppm) 5 ppm</td>
<td>OSHA PEL (STEL) (ppm) 5 ppm</td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td>NIOSH REL (TWA) (ppm) 5 ppm</td>
<td>NIOSH REL (TWA) (ppm) 5 ppm</td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td>NIOSH REL (ceiling) (mg/m³) 9 mg/m³</td>
<td>NIOSH REL (ceiling) (mg/m³) 9 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Liquid
Color: red
Odor: odorless
Odor threshold: No data available
pH: 12.5
Melting point: Not applicable
Freezing point: No data available
Boiling point: No data available
**CD-High Foam Safety Data Sheet**

Flash point: No data available
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Not applicable.
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: No data available
Specific gravity / density: 1.03 g/m³
Molecular mass: 1.03 g/mol
Solubility: No data available
Log Pow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosion limits: No data available
Explosive properties: No data available
Oxidizing properties: No data available

9.2. Other information
No additional information available

**SECTION 10: Stability and reactivity**

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects
Acute toxicity: Not classified

**Disodium Metasilicate (6834-92-0)**
- LD50 dermal rat: > 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across)
- LC50 inhalation rat (mg/l): > 2.06 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across)
- ATE US (oral): 770 mg/kg body weight

**Dipropylene Glycol Monoethyl Ether (34590-94-8)**
- LD50 oral rat: > 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value)
- LD50 dermal rabbit: 9510 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value)
- LC50 inhalation rat (mg/l): > 1.667 mg/l air (Equivalent or similar to OECD 403, 7 h, Rat, Male/female, Experimental value)
- ATE US (dermal): 9510 mg/kg body weight

**Alcohols, Ehoxylated (68439-46-3)**
- LD50 oral rat: 1378 mg/kg (Rat)
- LD50 dermal rabbit: > 2000 mg/kg (Rabbit)
### Alcohols, Ehoxylated (68439-46-3)

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>1378 mg/kg body weight</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes severe skin burns and eye damage. pH: 12.5</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage. pH: 12.5</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Symptoms/effects after skin contact</td>
<td>Burns.</td>
</tr>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>Serious damage to eyes.</td>
</tr>
<tr>
<td>Symptoms/effects after ingestion</td>
<td>Burns.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.

#### Disodium Metasilicate (6834-92-0)

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>210 mg/l (Equivalent or similar to OECD 203, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across)</td>
</tr>
</tbody>
</table>

#### Dipropylene Glycol Monoethyl Ether (34590-94-8)

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value)</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

**Disodium Metasilicate (6834-92-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Biodegradability: not applicable.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Dipropylene Glycol Monoethyl Ether (34590-94-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>0 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.06 g O₂/g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0</td>
</tr>
</tbody>
</table>

**Alcohols, Ehoxylated (68439-46-3)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

**Disodium Metasilicate (6834-92-0)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>

**Dipropylene Glycol Monoethyl Ether (34590-94-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>
### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
<th>Mobility data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, Ehoxylated (68439-46-3)</td>
<td>No bioaccumulation data available</td>
<td></td>
</tr>
<tr>
<td>Disodium Metasilicate (6834-92-0)</td>
<td>No (test)data on mobility of the substance available</td>
<td></td>
</tr>
<tr>
<td>Dipropylene Glycol Monoethyl Ether (34590-94-8)</td>
<td>No (test)data on mobility of the substance available</td>
<td></td>
</tr>
</tbody>
</table>

### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

- **Waste treatment methods**: Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

- In accordance with DOT: Not applicable

**Transportation of Dangerous Goods**

- Not applicable

**Transport by sea**

- Not applicable

**Air transport**

- Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

- **Disodium Metasilicate (6834-92-0)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Dipropylene Glycol Monoethyl Ether (34590-94-8)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Alcohols, Ehoxylated (68439-46-3)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

- **XU - XU** indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).

#### 15.2. International regulations

**CANADA**

- **Disodium Metasilicate (6834-92-0)**
  - Listed on the Canadian DSL (Domestic Substances List)

- **Dipropylene Glycol Monoethyl Ether (34590-94-8)**
  - Listed on the Canadian DSL (Domestic Substances List)
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Alcohols, Eohoylated (68439-46-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

Dipropylene Glycol Monoethyl Ether (34590-94-8)
U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information
Revision date : 03/13/2017

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H227</th>
<th>Combustible liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

Hazard Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 0 Minimal Hazard - Materials that will not burn
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product