SECTION 1: Identification

1.1. Identification
Product form: Mixture
Trade name: CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Spray-Applied Fire Resistive Materials
Recommended use: For professional use only

1.3. Supplier
Manufacturer:
United States Mineral Products Company dba Isolatek International
41 Furnace Street
Stanhope NJ 07874
Toll Free: 1 800 631 9600

1.4. Emergency telephone number
Emergency number: CHEMTREC 1 800 424 9300 (North America), +1 703 527 3887 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Reproductive toxicity Category 1B
May damage fertility or the unborn child (Oral)

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US)
- Signal word (GHS US): Danger
- Hazard statements (GHS US): May damage fertility or the unborn child (Oral)
- Precautionary statements (GHS US):
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Wear eye protection, protective gloves.
  - If exposed or concerned: Get medical advice/attention.
  - Store locked up.
  - Dispose of contents/container to waste collection point, in accordance with local/national regulations.

2.3. Other hazards which do not result in classification
Other hazards not contributing to the classification:
This product may contain trace amounts of crystalline silica. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures
CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium octaborate, tetrahydrate</td>
<td>(CAS-No.) 12280-03-4</td>
<td>&lt; 1</td>
<td>Repr. 1B, H360</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: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water. Seek medical attention if irritation develops.
First-aid measures after eye contact: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)
Symptoms/effects after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use. Dust may cause mechanical irritation.
Symptoms/effects after eye contact: May cause slight temporary irritation. Dust may cause mechanical irritation.
Symptoms/effects after ingestion: May damage fertility or the unborn child.
Chronic symptoms: May damage fertility or the unborn child.

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures
5.1. Suitable (and unsuitable) extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical
Fire hazard: None known.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions: Exercise caution when fighting any chemical fire.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
General measures: Avoid all unnecessary exposure. Avoid creating or spreading dust.

6.1.1. For non-emergency personnel
Protective equipment: Wear recommended personal protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

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: Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Notify authorities if product enters sewers or public waters.
Other information: Dispose in a safe manner in accordance with local/national regulations.
CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES
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6.4. Reference to other sections
For further information refer to section 8: “Exposure controls/personal protection”. For disposal of residues refer to section 13: “Disposal considerations”.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Strong acids.
Keep container closed when not in use. Store locked up.

Incompatible materials: Strong acids.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
<table>
<thead>
<tr>
<th>CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>No additional information available</td>
</tr>
<tr>
<td>Disodium octaborate, tetrahydrate (12280-03-4)</td>
</tr>
<tr>
<td>Not applicable</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

Personal protective equipment:


Hand protection:

Impermeable protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Where excessive dust may result, wear approved mask.

Personal protective equipment symbol(s):

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state: Solid
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Appearance: Powder.
Color: Light gray, Yellow-brown, Light green
Odor: Characteristic
Odor threshold: No data available
pH: 8 - 10
Melting point: 981 °C
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Non flammable.
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Log Pow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, kinematic: Not applicable
Viscosity, dynamic: Not applicable
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
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
None under normal conditions.

10.4. Conditions to avoid
Strong acids.

10.5. Incompatible materials
Strong acids.

10.6. Hazardous decomposition products
No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met)

Disodium octaborate, tetrahydrate (12280-03-4)
LD50 oral rat: 2500 mg/kg
Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met).

pH: 8 - 10

Respiratory or skin sensitization: Not classified (Based on available data, the classification criteria are not met).

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met).

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met).

Reproductive toxicity: May damage fertility or the unborn child (Oral).

Specific target organ toxicity – single exposure: Not classified (Based on available data, the classification criteria are not met).

Specific target organ toxicity – repeated exposure: Not classified (Based on available data, the classification criteria are not met).

Aspiration hazard: Not classified (Based on available data, the classification criteria are not met).

Viscosity, kinematic: No data available.

Likely routes of exposure: Ingestion. Inhalation. Skin and eye contact.

Symptoms/effects after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use. Dust may cause mechanical irritation.

Symptoms/effects after eye contact: May cause slight temporary irritation. Dust may cause mechanical irritation.

Symptoms/effects after ingestion: May damage fertility or the unborn child.

Chronic symptoms: May damage fertility or the unborn child.

Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: This material has not been tested for environmental effects.

12.2. Persistence and degradability

| CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES |
| Persistence and degradability: Not established. |

12.3. Bioaccumulative potential

| CAFCO® 300, CAFCO® 300 SB, CAFCO® 300 HS, CAFCO® 300 AC, CAFCO® 300 ES |
| Bioaccumulative potential: Not established. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer: No additional information available

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

| Product/Packaging disposal recommendations |
| Dispose in a safe manner in accordance with local/national regulations. |

| Ecology - waste materials |
| Avoid release to the environment. |

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated
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Transport by sea
Not regulated

Air transport
Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations
No additional information available

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations

Disodium octaborate, tetrahydrate (12280-03-4)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations
No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 07 August 2019
Other information : None.

Full text of H-phrases:

| H360 | May damage fertility or the unborn child |

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.