

# FORMULA 71

Product number: 161008



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Material name** FORMULA 71  
**Product number** 161008  
**Revision date** 17-Apr-2007  
**Company information** Brulin & Company, Inc.  
P.O. Box 270  
Indianapolis, IN 46206 US  
www.Brulin.com  
**Emergency** CHEMTREC 1-800-424-9300  
**General information** Phone: 317-923-3211  
Fax: 317-925-4596

### 2. Hazards Identification

**Emergency overview** Irritating to eyes and skin. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Potential short term health effects

**Eyes** Contact with eyes may cause irritation.  
**Skin** Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**Inhalation** Health injuries are not known or expected under normal use.  
**Ingestion** Harmful if swallowed.

### 3. Composition / Information on Ingredients

| Hazardous component(s)      | CAS #      | Percent |
|-----------------------------|------------|---------|
| Dodecylbenzenesulfonic Acid | 27176-87-0 | 5 - 10  |
| Crystalline Quartz          | 14808-60-7 | > 20    |

### 4. First Aid Measures

#### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention.  
**Skin contact** Immediately flush skin with running water for at least 20 minutes. Launder contaminated clothing before reuse.  
**Inhalation** Move to fresh air.  
**Ingestion** Have victim rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention or advice.

**General advice** If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire Fighting Measures

#### Extinguishing media

**Suitable extinguishing media** Use methods for the surrounding fire.

### 6. Accidental Release Measures

**Personal precautions** Wear appropriate personal protective equipment.  
**Environmental precautions** Prevent further leakage or spillage if safe to do so.  
**Methods for cleaning up** Wipe up with absorbent material (e.g. cloth, fleece). Flush with plenty of water.

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### 7. Handling and Storage

|                 |   |
|-----------------|---|
| <b>Handling</b> | Do not get this material in your eyes, on your skin, or on your clothing. Handle and open container with care. Avoid breathing vapors or mists of this product. |
| <b>Storage</b>  | Keep container tightly closed. Keep the container dry. Store in cool place. Keep in a well-ventilated place. Keep out of the reach of children.                 |

### 8. Exposure Controls / Personal Protection

#### Exposure guidelines

##### ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

|                    |            |                                       |
|--------------------|------------|---------------------------------------|
| Crystalline Quartz | 14808-60-7 | 0.025 Mg/m3 TWA (respirable fraction) |
|--------------------|------------|---------------------------------------|

##### ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

|                    |            |                                 |
|--------------------|------------|---------------------------------|
| Crystalline Quartz | 14808-60-7 | lung cancer; pulmonary fibrosis |
|--------------------|------------|---------------------------------|

#### Personal protective equipment

|                                       |   |
|---------------------------------------|---|
| <b>Eye / face protection</b>          | Avoid contact with eyes. Wear chemical goggles. or Face-shield.   |
| <b>Respiratory protection</b>         | No personal respiratory protective equipment normally required. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided. |
| <b>General hygiene considerations</b> | Avoid contact with the skin and the eyes. Handle in accordance with good industrial hygiene and safety practice.  |

### 9. Physical & Chemical Properties

|   |               |
|---|---------------|
| <b>Appearance</b>                                     | cream         |
| <b>Color</b>  | white         |
| <b>Form</b>   | cream         |
| <b>Odor</b>   | mint          |
| <b>Odor threshold</b>                                 | Not available |
| <b>pH</b>   | 1.4 - 2       |
| <b>Freezing point</b>                                 | Not available |
| <b>Boiling point</b>                                  | 212 °F        |
| <b>Flash point</b>                                    | Not available |
| <b>Flammability limits in air, lower, % by volume</b> | Not available |
| <b>Flammability limits in air, upper, % by volume</b> | Not available |
| <b>Vapor pressure</b>                                 | Not available |
| <b>Vapor density</b>                                  | Not available |
| <b>Specific gravity</b>                               | 1.25          |
| <b>Solubility (H2O)</b>                               | disperses     |
| <b>VOC (Weight %)</b>                                 | < 50 %        |

### 10. Chemical Stability & Reactivity Information

|   |   |
|---|---|
| <b>Chemical stability</b>                 | This is a stable material.  |
| <b>Conditions to avoid</b>                | Do not freeze.  |
| <b>Incompatible materials</b>             | None known.   |
| <b>Hazardous decomposition products</b>   | At thermal decomposition temperatures, carbon monoxide and carbon dioxide. and Hydrogen chloride. |
| <b>Possibility of hazardous reactions</b> | Will not occur.   |

### 11. Toxicological Information

|                      |                |
|----------------------|----------------|
| <b>Acute effects</b> | Eye irritation |
|----------------------|----------------|

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### 12. Ecological Information

**Ecotoxicity** This material is not expected to be harmful to aquatic life.

### 13. Disposal Considerations

**Waste codes** D002: Waste Corrosive material [pH ≤2 or ≥12.5, or corrosive to steel]

**Disposal instructions** Dispose in accordance with all applicable regulations.

### 14. Transport Information

#### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

#### Department of Transportation (DOT) Requirements NON-BULK

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

### 15. Regulatory Information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

#### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

#### CERCLA (Superfund) reportable quantity

Dodecylbenzenesulfonic Acid: 1000.0000

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

#### International regulations

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

#### California - Proposition 65 - Carcinogens List

Crystalline Quartz 14808-60-7 carcinogen, initial date 10/1/88 (airborne particles of respirable size)

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### 16. Other Information

HMIS rating

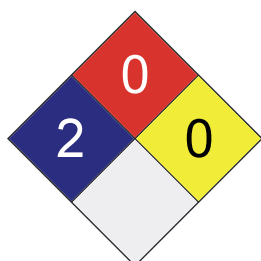
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Physical Hazard 0

Personal Protection B

NFPA codes



Prepared date

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#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.