Material Safety Data Sheet

CARBO-BRITE

Section 1. Chemical product and company identification

Trade name : CARBO-BRITE
Product use : Laundry product
Supplier : Ecolab Inc. Textile Care Division
            370 N. Wabasha Street
            St. Paul, MN 55102
            1-800-553-8683

Code : 971911
Date of issue : 18-October-2005

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, Information on Ingredients

Name         CAS number % by weight
alkali fluorosilicates (na) 16893-85-9 >50

Section 3. Hazards identification

Physical state : Solid. (Powder.)
Emergency overview : DANGER!

HARMFUL IF SWALLOWED.
CAUSES EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
Do not ingest. Do not get in eyes, on skin or clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Irritating to respiratory system.
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.
See toxicological Information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

Flash point : > 100°C
Product does not support combustion.

Products of combustion : These products are halogenated compounds, hydrogen fluoride.

Fire fighting media and instructions
Use an extinguishing agent suitable for surrounding fires.
Dike area of fire to prevent product run-off.
No specific hazard.
Special protective equipment for fire-fighters: Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

Handling: Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.

Storage: Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 50°C

Section 8. Exposure Controls, Personal Protection

Engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that eyewash stations and safety showers are close to the work-station location.

Personal protection:
- Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
- Hands: Use chemical resistant, impervious gloves.
- Skin: Use synthetic apron, other protective equipment as necessary to prevent skin contact.
- Respiratory: Avoid breathing dust.

Exposure limits:
- alkali fluorosilicates (na)
  - ACGIH TLV (United States, 1/2004).
    - TWA: 2.5 mg/m³ 8 hour(s). Form: All forms
  - OSHA PEL (United States, 8/1997).
    - TWA: 2.5 mg/m³ 8 hour(s). Form: All forms

Section 9. Physical and chemical properties

Physical state: Solid. (Powder.)
Color: Blue.
Odor: Odorless.
pH: 3.8 (1%)
Boiling/condensation point: >100 °C
Solubility: Partially soluble in hot water.
  - Very slightly soluble in cold water.

Section 10. Stability and reactivity

Stability: The product is stable.
Reactivity: Highly reactive with alkalis.
  - Reactive with metals.
Hazardous decomposition products: These products are halogenated compounds, hydrogen fluoride.
Section 11. Toxicological information

Potential acute health effects
- Eyes: Corrosive to eyes.
- Skin: Corrosive to the skin.
- Inhalation: Irritating to respiratory system.
- Ingestion: Harmful if swallowed. Causes burns to mouth, throat and stomach.

Potential chronic health effects
- Chronic effects on humans: Contains material which causes damage to the following organs: eyes, bones, teeth.

Section 12. Ecological information

Products of degradation: These products are halogenated compounds. Some metallic oxides.

Section 13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Class</th>
<th>Packing group</th>
<th>Additional information</th>
</tr>
</thead>
</table>
| UN2674     | Fluorosilicate mixture          | 6.1   | III           | Limited quantity
|            |                                 |       |               | Yes.                            |
|            |                                 |       |               | Special provisions              |
|            |                                 |       |               | IB8, IP3                        |

APPLIES ONLY DURING ROAD TRANSPORT
Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification: Corrosive material
- Target organ effects
U.S. Federal regulations:
- SARA 302/304/311/312 extremely hazardous substances: None.
- SARA 302/304 emergency planning and notification: None.
TSCA 8(b) inventory:
- All materials are listed or exempt.
California prop. 65:
- No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.):
- Health: 3
- Fire hazard: 0
- Reactivity: 0
- Personal protection: C

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 Responsible name: Regulatory Affairs
 Date of previous issue: No Previous Validation
 Notice to reader: 
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