I - Product Identification

TCL-599

PRODUCT CODE: 0627091
CHEMICAL FORMULATION: Inorganic silicate

NFPA HAZARD IDENTIFICATION SYSTEM:
- HEALTH: 0
- FLAMMABILITY: 0
- REACTIVITY: 0

HAZARD RATING:
- 4 - Extreme;
- 3 - High;
- 2 - Moderate;
- 1 - Slight;
- 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>APPROX %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate</td>
<td>5.00-10.00</td>
<td>N/E</td>
<td>N/E</td>
<td>1344-09-8</td>
</tr>
</tbody>
</table>

Key:  PEL: Permissible Exposure Limit  TLV: Threshold Limit Value  C: Ceiling level  STEL: Short Term Exposure Limit

N/A: Not Applicable

N/D: Not Determined

N/E: Not Established

Y: Yes

N: No


372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 212

SPECIFIC GRAVITY (WATER = 1): 1.10

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 0.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): ~1.0

SOLUBILITY IN WATER: Soluble

pH: 11.00-12.00

APPEARANCE AND ODOR: Cloudy, white liquid; no odor

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

- UPPER: N/A
- LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARD: None
V - Reactivity Data

STABILITY: Stable
INCOMPATIBILITY: Acids.
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY
- INHALATION: 
- EYE CONTACT: X
- SKIN CONTACT: X
- INGESTION: X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE
- IF IN EYES: Severe irritation, tearing and redness.
- IF ON SKIN: Irritation, with prolonged exposure.
- IF SWALLOWED: Burns to mucous membranes, nausea, cramps, and diarrhea. IF
- INHALED: No hazards under normal use.

EMERGENCY AND FIRST AID PROCEDURES
- IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention, immediately. IF
- ON SKIN: Remove contaminated clothing and launder before re-use. Flush skin thoroughly with water.
- IF SWALLOWED: Contact physician or poison control center immediately. Give affected person several glasses of water, followed with citrus fruit juice. Do not induce vomiting. Never give anything to an unconscious person.
- IF INHALED: Remove person to fresh air.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up spilled material with inert absorbent material or flush away with plenty of water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Avoid inhalation of spray mists.
VENTILATION
- LOCAL: Not required
- MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.
EYE PROTECTION: Chemical goggles or safety glasses.
OTHER PROTECTIVE EQUIPMENT: Eye wash station
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from acids. Keep container tightly closed when not in use.
OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None
DOT CLASS: None
DOT PROPER SHIPPING NAME: None
DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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Prepared by: Technical Dept.
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