1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY INFORMATION

Product Identification
- Trade Name: LCNC-166
- Product Use: Accelerating and Water Reducing Concrete Admixture
- Restrictions on Use: Intended for industrial and professional users
- CAS#: Mixture

Company Information
- RussTech, Inc.
  11208 Decimal Drive
  Louisville, KY 40299
  502-267-7700
- Prepared by Department of Environmental, Health and Safety

Emergency number – (serviced 24 hours)
- CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

<table>
<thead>
<tr>
<th>Specific Organ Toxicity (single exposure)</th>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Organ Toxicity (single exposure)</td>
<td>Category 3</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>Acute Toxicity (oral)</td>
<td>Category 5</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Eye Irritation</td>
<td>Category 2A</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Category 2</td>
<td>Causes skin irritation</td>
</tr>
</tbody>
</table>

Label elements: This material requires a hazard warning label in accordance with GHS criteria

Pictogram:

Signal Word: WARNING

Hazard statement(s):
H335: May cause respiratory irritation
H303: May be harmful if swallowed
H319: Causes serious eye irritation
H315: Causes skin irritation

Precautionary statement(s):
P280: Wear protective gloves/protective clothing/eye protection/face protection
P264: Wash with plenty of water and soap thoroughly after handling
Precautionary statements (response):
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention
P312: Call poison center of physician if you feel unwell
P302+P352: IF ON SKIN: Wash with plenty of soap & water
P332+P313: If skin irritation occurs: Get medical advice
P362: Take off contaminated clothing and wash before reuse

Hazards not otherwise classified: Not applicable

Additional classifications:
HMIS Ratings (scale 0 – 4)
Health – 1 Slight
Fire – 0 Minimal
Reactivity – 0 Minimal

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Chemical Name</th>
<th>CAS#:</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Nitrate</td>
<td>70%</td>
<td>13477-34-4</td>
<td>60-70%</td>
</tr>
<tr>
<td>Sodium Thiocyanate</td>
<td>50%</td>
<td>54-72-7</td>
<td>8-10%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES
Inhalation: Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.
Eyes: Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.
Ingestion: Contact physician or Poison Control Center (PCC) immediately. Do NOT induce vomiting unless instructed to do by physician or PCC.

5. FIREFIGHTING MEASURES
Suitable extinguishing media: Use extinguishing media suitable for surrounding fire
Unsuitable extinguishing media: Water jet
Specific hazards in case of fire: carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black
Special protective equipment required for firefighting: Wear self-contained breathing apparatus (SCBA)
Additional information for firefighters: None

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures:
- Wear appropriate PPE as needed
- Keep unprotected persons away
Environmental precautions:
- Prevent material from entering drains, septic systems, water sources, etc. by the use of dikes, absorbent materials and booms.

Material containment and clean up:
- Contain material with dikes. Vacuum up spilled material or use absorbent media. Remove spilled material to storage for proper disposal. Dispose of in accordance with local, state and federal regulations. Rinse residual stain with water.

7. HANDLING AND STORAGE

Precautions for safe handling: No special handling required if material is used correctly
Information about protection against explosions and fires: No special measures required
Information about safe storage: Protect material from temperatures under 20°F (-7°C)
Shelf Life: 18 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

Additional information about exposure controls: No further data; see section 7
Components with limit values that require monitoring at the workplace: None

PPE (personal protective equipment) and hygienic measures:
- Wear ANSI approved safety glasses or goggles to protect eyes
- Wear latex or rubber gloves to protect skin
- Wash hands thoroughly before breaks and at end of work day

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:
- Physical state: Liquid
- Color: Dark brown
- Odor: Pungent
- Odor Threshold: Not available

Physical properties:
- pH value (@70°F): 4.00 – 6.00
- Specific gravity (@70°F): 1.370 – 1.420
- Bulk density: Not available
- Boiling point: 212°F / 100°C
- Freezing point/Melting point: 32°F / 0°C
- Decomposition temperature: Not available
- Vapor pressure: Not available
- Vapor density: Not available
- Evaporation rate: Not available
- VOC (w/w): 0%
- Solubility in / Miscibility with water: 100%
- Partition Coefficient (n-octanol/water): Not available
- Auto ignition: Material is not self igniting
- Flash point: Material is non-flammable
- Lower / Upper Flammability Limits: Not applicable
- Viscosity: Not available
10. STABILITY AND REACTIVITY

Material stability: Material is stable and not sensitive to mechanical impact
Possibility of hazardous reactions: None known with proper use and storage
Incompatible materials to avoid: Strong acids, strong bases, strong oxidizing agents
Hazardous decomposition products: None expected during normal storage, handling and use

11. TOXICOLOGICAL INFORMATION

Routes for exposure for solids and liquids are ingestion and inhalation, but may include eye and skin contact.

Acute toxicity: This product has not been tested for toxicity. Data derived from individual components.
- Dermal: causes skin irritation
- Inhalation: may cause respiratory irritation
- Ingestion: may be harmful if swallowed
- Irritation/corrosion: causes serious eye irritation

Chronic toxicity: This product has not been tested for toxicity. Based on the properties of the individual components, the classification criteria are not met.
- Repeated dose: based on available data, the classification criteria are not met
- Genetic: based on available data, the classification criteria are not met
- Carcinogenicity: based on available data, the classification criteria are not met
- Reproductive: based on available data, the classification criteria are not met
- Teratogenicity: based on available data, the classification criteria are not met

12. ECOLOGICAL INFORMATION

Based on available data, potential for environmental toxicity is low; however discharge to the environment should be avoided.

Ecotoxicity: product is unlikely harmful to aquatic life
Persistence and degradability: product expected to degrade in one month or less
Bioaccumulative potential: there is no evidence to suggest bioaccumulation will occur
Mobility in soil: accidental spillage may lead to penetration in the soil and groundwater, however; there is no evidence that this would cause adverse ecological effects

13. DISPOSAL CONSIDERATIONS

In its manufactured form this material is not considered a hazardous waste. Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Material is not regulated for transport

15. REGULATORY INFORMATION

- Sara 302 (extremely hazardous materials): not applicable
- Sara 311/312: Acute health hazard
- Sara 313: Not applicable
- TSCA: All components are listed or exempt
16. OTHER INFORMATION

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