



RUSSTECH CSA RETARDER
Safety Data Sheet

RussTech, Inc.
"WE ADD THE DIFFERENCE"

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY INFORMATION

Product Identification

- Trade Name: **RUSSTECH CSA RETARDER**
- Product Use: Specialized Set Retarding Admixture for Calcium Sulfoaluminate Cement Systems
- 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:

Acute Toxicity (Dermal)	Category 5	May be harmful in contact with skin
Eye irritation	Category 2A	Causes serious eye irritation
Skin irritation	Category 2	Causes skin irritation
Specific target organ toxicity (single exposure)	Category 3	May cause respiratory irritation

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



Pictogram:

Signal Word: **WARNING**

Hazard statement(s):

H313: May be harmful in contact with skin
H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary statement(s):

P261: Avoid breathing mist/vapors/spray
P271: Use only outdoors or in well ventilated areas

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P280: Wear protective gloves and eye/face protection.
P264: Wash with plenty of soap & water thoroughly after handling.
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
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P332+P313: If skin irritation occurs: Get medical advice/attention
P362: Take off contaminated clothing and wash before reuse
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable position for breathing
P312: Call poison center or physician if you feel unwell
P403+P233: Store in a well-ventilated area. Keep container tightly closed.
P405: Store locked up
P501: Dispose of contents/container in accordance with local/state/federal regulations.

Hazards not otherwise classified: Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components:		
Chemical Name:	CAS#:	Content
Glucose	8029-43-4	10-20%
2-Hydroxy-1,2,3-Propanetricarboxylic Acid	77-92-9	10-20%
Gluconic Acid	526-95-4	10-20%
Tartaric Acid	147-71-7	10-20%
Polyhydric Alcohol	50-70-4	10-20%

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. If irritation persists, 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

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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. using 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. Avoid aerosol formation and wear proper PPE.

Information about protection against explosions and fires: No special measures required if material is stored and used correctly

Information about safe storage: Protect material from temperatures under 32°F (0°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 workday

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

- Physical state: Liquid
- Color: Clear
- Odor: Odorless
- Odor Threshold: Not available

Physical properties:

- pH value (@70°F): 1.00 – 3.00
- Specific gravity (@70°F): 1.15 – 1.28
- Bulk density: Not available
- Boiling point: >212°F / 100°C
- Freezing point/Melting point: Not available
- Decomposition temperature: Not available
- Vapor pressure: Not available
- Vapor density: Not available
- Evaporation rate: Not available

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- VOC (w/w): 0%
- Solubility in / Miscibility with water: 100%
- Partition Coefficient (n-octanol/water): Not available
- Auto ignition: 1852°F / 1011°C
- Flash point: Not available
- Lower / Upper Flammability Limits: Not available
- Viscosity: 20 cps
- Danger of explosion: Not available

10. STABILITY AND REACTIVITY

Material stability: Material is stable and not sensitive to mechanical impact

Possibility of hazardous reactions: Heat and incompatibles

Incompatible materials to avoid: Metal nitrates, alkali carbonates and bicarbonates. Will corrode copper, zinc, aluminum, and their alloys

Hazardous decomposition products: Under fire conditions carbon dioxide and carbon monoxide may form

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity:

- Dermal: Causes skin irritation to the skin with redness, itching and pain
- Inhalation: causes irritation to the respiratory tract
- Ingestion: Causes irritation to the gastrointestinal tract; symptoms may include nausea, vomiting and diarrhea.
- Irritation/corrosion: causes serious eye irritation; may also be abrasive

Chronic toxicity:

- Repeated dose: no data available
- Genetic: No data available
- Carcinogenicity: No data available
- Reproductive: No data available
- Teratogenicity: No data available

Most important symptoms and effects; acute and delayed: Product may irritate the respiratory tract, skin, and eyes. Respiratory irritation may cause shortness of breath and coughing. Eye irritation may cause pain, stinging, tearing, redness, swelling, itchiness and blurred vision. Skin irritation may cause redness, itching and pain. Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: product expected to degrade

Bioaccumulative potential: no data available

Mobility in soil: no data available

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13. DISPOSAL CONSIDERATIONS

In its manufactured form this material or its residues are not considered a hazardous waste. Dispose of in accordance with local, state, and federal regulations. Surplus or contaminated product should be disposed of by a licensed disposal facility. Do not discharge product or residues into sewers, drains, surface waters or ground waters. Packaging should be emptied as much as possible and thoroughly cleaned before being reused or recycled.

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
- California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

This information is based on our current knowledge and is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of RussTech's knowledge or is obtained from sources believed by RussTech to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. RussTech assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, RussTech assumes no responsibility for injuries caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.