



RussTech Inc.

“We Add The Difference”

MATERIAL SAFETY DATA SHEET

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Section I - PRODUCT IDENTITY: *RCI*

CAS# 13780-06-8

Common Name: Corrosion Inhibiting and Accelerating Concrete Admixture

Section II - HAZARDOUS INGREDIENTS:

Material:	CAS#	TLV	STEL	PEL	CONTENT
Calcium Nitrite	13780-06-8	None	None	None	30 -32 %
Calcium Nitrate Tetrahydrate	10124-37-5	None	None	None	<5%

Section III - PHYSICAL CHARACTERISTICS:

N/Av = Not Available N/Ap = Not Applicable ca. = Approximate

Boiling Point F° (°C): 226 (108)

VOC (w/w): 0%

Specific Gravity: 1.28

pH: 8.0 – 12.0

Freezing Point F° (°C): 20 (-7)

Solubility in Water: 100%

Appearance: Clear to Light Yellow liquid

Odor: None

Section IV - FIRE AND EXPLOSION HAZARD DATA:

HMIS Hazard Rating:

1 (Slight)

Flash Point F° (°C): 200 (93)

Method: N/Av

Auto-Ignition Temperature:

N/Av

Limits of Flammability:

LEL: Not Applicable UEL: Not Applicable

Special Fire & Unusual Hazards: Moderate irritant that presents a potential contact hazard to firefighters.

May produce acrid vapors, oxides of calcium and oxides of nitrogen.

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Section V - REACTIVITY DATA:

HMIS Hazard Rating:

0 (Minimal)

Stability:

Stable. Not sensitive to mechanical impact.

Incompatibility:

Reducing agents, cyanides, combustible materials.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products: (After water has evaporated.) Oxides of Calcium and Nitrogen

Section VI - HEALTH HAZARD DATA:

HMIS Hazard Rating:

2 (Moderate)

PRIMARY ROUTE OF ENTRY:

Dermal, Eyes, Ingestion

Effects of Overexposure

Inhalation: At room temperature, exposures to vapors are unlikely due to physical properties.

Eyes: May cause moderate transient irritation with reddening, swelling and blurred vision. Prolonged contact may cause serious irritation and possible corneal damage.

Skin Contact: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis.

Skin Absorption: Not expected to be absorbed through the skin in sufficient quantities to increase overall toxicity.

Ingestion: Irritation and burns to mouth, throat and esophagus will occur immediately upon contact. Severe ingestion exposures can result in convulsion, collapse and coma.

Section VI - HEALTH HAZARD DATA(CONTINUED):**Effects of Overexposure**

Chronic: Product does not contain carcinogenic materials as defined by 29 CFR 1910.1200.

Section VII - FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. 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 thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Contact physician or call Poison Control Center immediately. Do **NOT** give anything by mouth to an unconscious person.

Section VIII - SPECIAL PROTECTION INFORMATION:

Ventilation: Ventilation is generally not required.

Personal Protection Equipment: Use chemical goggles/safety glasses with side shields and Rubber/Latex gloves. Selection of specific items such as boots and apron will depend on operation.

Section IX - ENVIRONMENTAL & DISPOSAL INFORMATION:

Action to Take for Spills/Leaks: Wear appropriate protective equipment. Take action to eliminate source of leak; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

Waste Disposal Method: Dispose in accordance with local, provincial, state and federal regulations

Section X - REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: Acute, Chronic Physical hazard: None

Title III Section 313: None above deminimis.

TSCA: All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

State: California: No reportable chemicals

Section XI - TRANSPORTATION INFORMATION:

Shipping Name: NOT REGULATED

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NO REPORTABLE CHEMICALS

Marine Pollutant: NL

P = Moderate PP = Severe WS = Water Sheen NL = Not Listed ND = Not Determined

Section XII - ADDITIONAL INFORMATION:

Average Shelf Life: 18 months

Special Instructions: Keep from freezing

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Prepared by: Department of Environmental, Health and Safety