

MATERIAL SAFETY DATA SHEET

Innovative Concrete Technology Corp.
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Emergency Telephone: 888-296-5236

Section 1 - Product Information

Product Name: Slow Set

Description: Aqueous solution of Hydroxycarboxylic acid salts and compound carbohydrates.

Synonyms: None

Molecular Formula: N/A

Chemical Family: Mixture

Section 2 - Hazardous Ingredients

Chemical Names(s):	CAS Number	OSHA	PEL
Formaldehyde	0.95 00050-00-0	0.5 ppm (action level) 0.75 ppm TWA 2.0 ppm STEL	0.3 ppm Ceiling
Calcium Nitrate	32% 13780-06-08	NE	NE
N-Nitrosodiethanolamine	0.05 01116-54-7	NE	NE

NIOSH- lowest feasible level

Section 3 - Physical Properties

Color: Clear Green	Specific Gravity: 1.15
Appearance: Clear	PH: 7.0-9.0
Odor: Slight ammonia odor	Boiling Point: 212 F
Vapor Pressure (mm Hg.) Equal to Air	%Volatiles: 60% as water
Evaporation Rate (BAc = 1): < 1	Solubility in water: Complete

Section 4 - Fire and Explosion Data

Flash Point: 200 F

Extinguishing Media: Product is in an aqueous solution and is unlikely to burn until all water has been evaporated. In case of fire use water, dry chemical, carbon dioxide or "alcohol" foam.

Unusual Hazards: None

Section 5 - Health Effects

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Overexposure: Effects Based on test data and experience with similar products it is believed that this is a low hazard material. Ingestion may cause gastric upset, pain, diarrhea, lethargy. Inhalation of the vapors may result in respiratory irritation.

Chronic Overexposure Effects: There are no known chronic effects associated with this material.

Inhalation: This product contains a small amount of Formaldehyde. Formaldehyde is considered to have good early warning properties due to its pungent odor. Because the amount in the product is small and vapors are easily detected by smell at levels of 0.8ppm or higher, exposure can be minimized.

Ingestion: Swallowing may irritate the mouth, throat and stomach causing pain, nausea, vomiting and diarrhea. Liver and kidney damage from chronic overexposure has been demonstrated in laboratory animals.

Skin: Prolonged and repeated contact may cause irritation and result in sensitization and allergic reaction.

Eyes: Vapor may cause irritation, redness and tearing. Liquid may cause slight reversible corneal injury.

First Aid Procedures:

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Eyes: Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

Ingestion: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation: Move to fresh air. Aid in breathing, if necessary and get immediate medical attention.

Section 6 - Reactivity Data

Stability Data: Stable under normal conditions

Incompatibility: None known.

Hazardous Polymerization: Does not occur.

Corrosive Properties: Not corrosive

Oxidizer Properties: See section 4

Conditions or Materials to avoid: Avoid contact with strong oxidizers

Hazardous Decomposition or Byproducts: Carbon Dioxide and Carbon Monoxide

Section 7 - Personal Protection

Clothing: Gloves, coveralls, apron and boots as necessary to prevent contact.

Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.

Respiration: If vapors or mist are generated, wear a NIOSH/MSHA approved if allergies to said product exist.

Ventilation: Open all doors windows to allow for adequate air flow and circulation.

Section 8 - Spill and leak/ environmental

Spills should be contained and placed in suitable containers for disposal in a licensed facility. Prevent product from entering drinking water supplies or streams. Observing previous precautions, collect liquid or absorb with an inert noncombustible material and place into closed containers for disposal.

Spill reporting requirements and reportable quantities vary by location.

Waste Disposal: Incinerate or bury as a solid in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Disposal: Recommend crushing or other means to prevent unauthorized reuse.

Section 9 - Regulatory Information

RCRA Hazardous Waste Number: N/A

CERCLA: No

HAZARD RATING: Health- 1 Fire- 1 Reactivity- 0 Special: NA

This product is not a physical hazard according to the OSHA Hazard Communication Standard;

The information contained herein is to our knowledge true and accurate. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control.

Section 10 – Toxicological Information

Ingredient Chemical Name	CAS Number	Toxicity Data LD 50, LC50 ect.
Formaldehyde	00050-00-0	LD50 (oral, rat) 800 mg/kg LD50 (skin rabbit) 270 mg/kg LC50 (Inhalation, rat) 590 ppm