



Hydration Stabilizer

Safety
Data Sheet

Section 1 - Identification		
Product Name:	Hydration Stabilizer	
Product Description:	Concrete Powdered Admixture	
Recommended Use:	For use with Concrete only	
Restriction on Use:	For use with Concrete only	
Manufacturer Information:	Trinic LLC	
Address:	40 Grosset Drive Suite 200, Kirkwood, NY 13795	
Contact Number:	1-800-475-1975 (US Only) / 607-655-1517 (Direct)	
Emergency Contact Number:	Chemtrec - 703-741-5500	
Section 2 - Hazard(s) Identification		
Health:	2	
Flammibility:	1	
Reactivity:	0	
Personal Protective Equipment:	E	
Inhalation:	May irritate respiratory system	
Ingestion:	No known negative effects	
Skin Contact:	No adverse affects	
Eye Contact:	May irritate the eyes	
Acute Health Hazards:	Slight irritant	
Chronic Health Hazards:	Repeated or prolonged exposure may cause target organ damage, local skin destruction, of dermatitis. Repeated inhalation can produce a varying degree of respiratory irritation or lung damage	
Medical Conditions Generally Aggravated By Exposure:		
Carcinogenicity:	<p>The National Toxicology Program (NTP), in the 11th Annual Report on Carcinogens, 2005, has included respirable crystalline silica on its list of substances that are "reasonably anticipated to be carcinogens".</p> <p>NIOSH has identified crystalline silica as a potential occupational carcinogen using the OSHA classification system outlined in 29 CFR 1990.103.</p>	
Section 3 - Composition / Information on Ingredients with Health Hazards		
Componet	Weight Percent	CAS Number
Kaolinite	>30	1318-74-7
Crystalline Silica	2.5-15	14808-60-7
Titanium Dioxide	>1.5	13463-67-7
Citric Acid	30-80	77-92-9

Section 4 - First Aid Measures	
Inhalation:	Dust may irritate respiratory system. Move away from contaminated areas and consult a physician if breathing difficulties occur. Individuals with known respiratory disease or difficulties should avoid dust.
Ingestion:	No negative effects are known to exist for incidental quantities of clay ingested into the stomach. For suspected large quantities, consult physician for advice.
Skin Contact:	No adverse effects are suspected to exist. Wash contaminated area with water and bath soap (optional).
Eye Contact:	Minor dust quantities may irritate eye tissue. Flush eye(s) thoroughly with water and consult physician if symptoms persist.
Section 5 - Fire Fighting Measures	
Flammable Properties:	
Suitable Extinguishing Media:	Use extinguishing media that are suitable for the surrounding combustible materials such as product packaging, as the product itself is not combustible.
Unsuitable Extinguishing Media:	Do not use water jet
Precautions for Fire Fighters:	Fire fighters should wear appropriate PPE to prevent exposure to fumes.
Specific Hazards Arising From the Chemical	Under fire conditions, this product may emit toxic and/or irritating fumes.
Section 6 - Accidental Release Measures	
Personal Precautions:	Wear gloves and a respirator
Environmental Precautions:	Clean up area
Methods for Containment:	Sweep up the remaining product
Methods for Clean Up:	Wash surface with water after product is reclaimed
Section 7 - Handling and Storage	
Handling:	Use in well ventilated areas. Keep containers sealed when not in use to prevent the buildup of dust in the work environment. Avoid inhalation of dust, as well as skin and eye contact. Maintain proper personal hygiene.
Storage:	Store in cool, dry, well-ventilated areas away from moisture. Keep
Section 8 - Exposure Controls / Personal Protection	
Exposure Limits:	
<u>Exposure</u>	<u>Limit</u>
Respirable Crystalline Quartz	ACGIH-TLV: 0.025 mg/m ³ OSHA-PEL: 0.1 mg/m ³ NIOSH: 0.05 mg/m ³
Titanium Dioxide	ACGIH-TLV: 10 mg/m ³ OSHA-PEL: 15 mg/m ³
Engineering Controls:	Use local exhaust ventilation in areas subject to dust generation.
Skin Protection:	Impervious Gloves are recommended

Eye Protection:	Use NIOSH/OSHA approved safety goggles when handling the product in dust generating processes
Respiratory Protection:	use NIOSH/OSHA approved dust/mist respirator.
Section 9 - Physical And Chemical	
Appearance:	Tan powder
Physical State	Solid
Odor:	Earth-like
Odor Threshold:	N/A
pH:	4.0-8.0
Melting Point:	307.4 F
Freezing Point:	N/A
Initial Boiling Point:	decomposes
Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability:	Non combustible
Upper/Lower Flammability or Explosive Limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	2
Solubility(ies):	Water
Partition Coefficient	N/A
Auto-Ignition Temperature:	N/A
Decomposition Temperature:	N/A
V.O.C. (g/l)	N/A
Viscosity:	N/A
Section 10 - Stability and Reactivity	
Reactivity:	stable
Chemical Stability:	stable
Possibility of Hazardous Reactions:	Will not occur
Conditions to Avoid:	Incompatible materials
Incompatible Materials:	oxidizing agents, potassium tetrates, alkali, alkaline earth carbonates and bicarbonates, acetates and sulfides, and metal nitrates
Hazardous Decomposition Products:	Will not occur
Section 11 - Toxicological Information	
Likely Routes of Exposure:	Inhalation, ingestion, Skin contact, eye contact
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:	slight irritant
Delayed and Immediate Effects:	irritant

Chronic Effects, Short and Long Term Exposure:	Danger of serious damage to health by prolonged exposure from inhalation. Crystalline Silica can cause silicosis or other lung diseases from prolonged exposure. California Proposition 65: Contains crystalline quartz, some of which is respirable, and trace amounts of 2,3,7,8 TCDD (a dioxin) on a PPT (parts per trillion) basis have been detected.
Numerical Measures of Acute Toxicity: N/A	
Carcinogenic:	These chemicals are recognized by the state of California to be carcinogenic elements. IARC Monograph Volume 69 states that 2,3,7,8 TCDD (a dioxin) is a carcinogen to humans.
Section 12 - Ecological Information (Non-Mandatory)	
Ecotoxicity: Information is given Based on Data of the componets and the Toxicology of Similar Products	
Persistence and Degradability:	
Mobility in Soil:	
Bioaccumulative Potential:	
Other Adverse Effects:	
Section 13 - Disposal Considerations (Non-Mandatory)	
Dispose of this material should be done in accordance with local and national regulations.	
Section 14 - Transport Information (Non-Mandatory)	
UN Number:	
UN Proper Shipping Name:	
Transport Hazard Class:	
Packing Group:	
Environmental Hazards:	
Transport in Bulk:	
Special Precautions:	
Section 15 - Regulatory Information (Non-Mandatory)	

- California Proposition 65: Ball clay contains crystalline quartz, some of which is respirable, and trace amounts of 2,3,7,8 TCDD (a dioxin) on a PPT (parts per trillion) basis have been detected.
- These chemicals are recognized by the state of California to be carcinogenic elements. IARC Monograph Volume 69 states that 2,3,7,8 TCDD (a dioxin) is a carcinogen to humans.
- Toxic Substances Control Act: The known and reported components of ball clay are included on the EPA TSCA Inventory.
- European Commission Registration, Evaluation, Authorization of Chemicals (REACH): The known and reported components of ball clay are included on the European Chemical Agency (ECHA) pre-registration substance list.

Section 16 - Other Information, Including Date of Preparation or Last Revision

Preparation Date : 3/28/15

Revision Date : 9/10/15

Revision Summary : SDS Requirements

Disclaimer

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