Safety Data Sheet
GFRC Admix

Preparation Date:12-Jan-2012 **Revised 8/12/15**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: **Trinic GFRC Admix**

Product ID Trinic GFRC Admix
Recommended Use Concrete Admixture Powder

Contact Manufacturer

Trinic, LLC
522 Cascade Valley Road
Windsor, NY 13865
United States

Email: info@trinic.us
Phone: 1-800-475-1975

Emergency Telephone Number CHEMTREC (24 hrs. - for spill, leak or transportation incidents): US: 703-741-5500 / account # 631297

2. HAZARDS IDENTIFICATION

Classification: Irritant (skin and eye), Respiratory Tract irritant.

Pictogram:

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Inhalation.

Acute Effects

Eyes Non persistent irritation.
Skin Prolonged or repeated contact may dry skin and cause irritation.
Inhalation Irritating to respiratory system.
Ingestion No known effect.

Chronic Effects Prolonged exposure may cause chronic effects.

See Section 11 for additional Toxicological information.

Main Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Aggravated Medical Conditions Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.

Potential Environmental Effects See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Type Preparation

Hazardous components

Component	CAS-No	Weight %	OSHA PEL	ACGIH TLV
Modified silica	--	30-60	TWA: 6 mg/m^3	TWA: 10 mg/m^3
Petroleum distillates, solvent-refined light paraffinic	64741-89-5	10-30	5 mg/m^3, oil mist	TWA: 5 mg/m^3, oil mist STEL: 10 mg/m^3
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	10-30	5 mg/m^3, oil mist	TWA:5 mg/m^3, oil mist STEL: 10 mg/m^3
Triethylene glycol, monobutyl ether	143-22-6	30-60	-	-
Exact amounts withheld/ trade secret.				

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician.

Skin Contact Wash off with soap and water.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Hazardous Combustion Products As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Explosion Data

Sensitivity to mechanical impact	No
Sensitivity to static discharge	Yes
Explosion Limits	May form explosive dust-air mixture
Upper	30 g/m^3
Lower	2-6 kg/m^3

Specific Hazards Arising from the Chemical
Potential dust explosion hazard. Static electricity may accumulate and ignite suspended dust. Ground/Bond container and receiving equipment.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA **Health** 1 **Flammability** 1 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid dust formation. Remove all sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ensure adequate ventilation. Avoid breathing dust. Avoid exceeding of the given occupational exposure limits (see section 8).

Environmental Precautions Prevent further leakage or spillage if safe to do so

Methods for Containment Sweep up or vacuum up spillage and collect in suitable container for disposal.

Methods for Clean-up Take precautionary measures against static discharges. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Fine dust dispersed in air may ignite. Take precautionary measures against static discharges. Avoid dust formation in confined areas. Do not breathe vapor/dust.

Storage Keep container tightly closed. Avoid moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico OEL (TWA)
Modified silica	TWA: 10 mg/m^3	TWA: 6 mg/m^3	TWA: 10 mg/m^3	10 mg/m^3
Petroleum distillates, solvent-refined light paraffinic	TWA: 5 mg/m^3, oil mist STEL: 10 mg/m^3	5 mg/m^3, oil mist	-	-
Petroleum distillates, solvent-refined heavy paraffinic	TWA:5 mg/m^3, oil mist STEL: 10 mg/m^3	5 mg/m^3, oil mist	-	-
Triethylene glycol, monobutyl ether	-	-	-	-

Engineering Controls Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles

Skin Protection Long sleeved clothing

Respiratory Protection Respirator must be worn if exposed to dust. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	**Physical State**	Powder
Odor	Slight	**Odor Threshold**	No information available
pH Value	7.5		
Flash Point	100°C	**Boiling Point/Range**	No information available
Melting Point/Range	No information available		
Flammable Limits	No information available		
Specific Gravity	No information available	**Solubility (in H20)**	Insoluble
Evaporation Rate	No information available	**Vapor Pressure, 20C/68F**	No information available
Vapor Density	No information available	**Density**	0.41 g/cm3 (DGF H II 1b)
Explosive Properties	Product is not explosive, however, formation of explosive air/ dust mixtures are possible.	**VOC Content**	No information available
Viscosity	No information available		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions

Conditions to Avoid Dust formation. Temperatures above 500°C.

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Silicon dioxide.

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Modified silica	>10000 mg/kg (rat)	>5000 mg/kg (rabbit)	0.139 mg/l (rat), 4h
Petroleum distillates, solvent-refined light paraffinic	>3000 mg/kg (Rat)	-	-
Petroleum distillates, solvent-refined heavy paraffinic	>3000 mg/kg (Rat)	-	-
Triethylene glycol, monobutyl ether	5300 mg/kg (Rat)	-	-

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product (IARC, ACGIH, US OSHA, US NTP).

Component	ACGIH	IARC	NTP	OSHA
Modified silica	-	-	-	-
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-
Triethylene glycol, monobutyl ether	-	-	-	-

Irritation Respiratory irritation.

Sensitization No known effect

Neurological Effects Not available

Mutagenic Effects Contains no ingredient listed as a mutagen

Reproductive Effects Not available

Developmental Effects No information available

Teratogenic Effects Not available

Target Organ Effects Not available

12. ECOLOGICAL INFORMATION

Eco toxicity
Information given is based on data on the components and the toxicology of similar products

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Modified silica	-	LC50: >10000 96h (Brachydanio rerio)	-	EC50: >10000 24h
Petroleum distillates, solvent-refined light paraffinic	-	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-
Triethylene glycol, monobutyl ether	-	-	-	EC50 > 500 mg/L 48 h

Persistence/Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility in Environmental Media Is not likely mobile in the environment due its low water solubility
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

US EPA Waste Number Product, as sold, is not a US EPA RCRA Waste.

14. TRANSPORT INFORMATION

DOT Not regulated

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

International Inventories

All of the components in the product are on or exempt from the following Inventory lists:

US TSCA	Complies
Canada DSL	Complies
EU EINECS/ELINCS	Complies
Japan ENCS	Complies
Korea KECL	Complies
China IECSC	Complies
Philippines PICCS	Complies
Australia AICS	Complies

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (40 CFR 61)

This product does not contain any HAPs.

Clean Water Act

Discharge into the environment must be avoided.

SARA 302/CERCLA 355 Extremely Hazardous Substances:

Does not contain regulated substances.

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US State Regulations

California Proposition 65

WARNING! This product contains a chemical known in the State of California to cause cancer. WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. Impurities (<0.1%).

U.S. State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island	California Proposition 65
Modified silica	X	-	X	-	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-	-	-	-	-
Petroleum distillates, solvent-refined light paraffinic	X	-	-	-	-	-
Polyalkylene glycol	-	-	-	-	-	-
2,6-Di-tert-butyl-p-cresol	X	X	X	-	X	-
Polyalkylene glycol	-	-	-	-	-	-
Ethylene oxide	X	X	X	X	X	Carcinogen Female Reproductive
Propylene oxide	X	X	X	X	X	Carcinogen

International Regulations

Mexico

Mexico - Grade Slight risk, Grade 1

Component	Mexico Carcinogen Status	Mexico Exposure Limits
Modified silica	-	-
Petroleum distillates, solvent-refined heavy paraffinic	-	-
Petroleum distillates, solvent-refined light paraffinic	-	-
Polyalkylene glycol	-	-
Polyalkylene glycol	-	-

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

Canada Disclosure Lists

This product contains components on the following lists:

Component	Weight %	Ingredient Disclosure List (IDL)
Modified silica	30-60	-
Petroleum distillates, solvent-refined heavy paraffinic	10-30	-
Petroleum distillates, solvent-refined light paraffinic	10-30	-
Polyalkylene glycol	10-30	-

Polyalkylene glycol	1-10	-

16. OTHER INFORMATION

Preparation Date 1/12/12

Revision Date **08/12/15**

Revision Summary SDS requirements

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet