



First Response

Safety Data Sheet

Revision date: 10/22/2014

Version: 2.0

SECTION 1: Identification

Product form: Dry Powder

Substance name: Mixture

CAS No.: None

Synonyms: Cellulose Fiber

Intended Use Of The Product: Lost Circulation Material

Turbo-Chem International, INC.

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1.337.235.3098

Emergency number : (Chemtrec)1.800.424.9300

SECTION 2: Hazards identification

GHS-US classification

Eye Irrit. H320

Resp Irrit. H335

Skin Irrit. H316



GHS07

Signal word (GHS-US)

: Warning

Hazard statements (GHS-US)

H320 - May cause eye irritation

H335 - May cause respiratory irritation

H315- May cause skin irritation

Precautionary statements (GHS-US)

P280 - Wear protective gloves/eye protection.

P284 - Wear respiratory protection.

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P301+P321+P315 - If ingested: Drink 2 glasses of water & induce vomiting only if the person is conscious. Seek medical attention.

P304+P341+P315 - If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if necessary.

P302+P352 - If on skin: Thoroughly wash exposed areas with soap and water.

P306+P362 - Remove contaminated clothing. Launder separately before use.

P305+P351+P338 - If in eyes: Rinse cautiously with water for 15 minutes.

Remove contact lenses if present and easy to do - Continue rinsing

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

Name	CAS #	%	GHS-US classification
Crystalline Silica	14808-60-7	Proprietary	Known Carcinogen

SECTION 4: First aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

First-aid measures after inhalation: When symptoms occur: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Thoroughly wash exposed areas with soap and water. Remove contaminated clothing and launder separately before reuse.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Give 2 glasses of water and induce vomiting only if the person is conscious.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Eye irritation.

Symptoms/injuries after inhalation: Prolonged and cont. exposure may lead to respiratory tract irritation or damage. Long term inhalation of particles may produce silicosis (progressive pulmonary fibrosis).

Symptoms/injuries after eye contact: May cause burns.

Symptoms/injuries after ingestion: May cause damage to mucous membranes.

Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Water, Dry chemical, alcohol foam, carbon dioxide.

Special hazards arising from the substance or mixture

Fire hazard: None known

Hazardous Combustion / Decomposition Products: Oxides of carbon.

Advice for firefighters

Firefighting instructions / Special Firefighting Equipment: Wear self-contained breathing apparatus with full face piece operated in the positive pressure mode when fighting fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency

procedures General measures: Avoid creating dust. Wet down spill if dusty.

For non-emergency personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up:

Methods for cleaning up: Vacuum or scoop up

Reference to other sections

See heading 13 for disposal information.

SECTION 7: Handling and storage

Precautions for safe handling: Do not get in eyes. Avoid breathing in dust.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Storage conditions: Store in a dry location away from acids.

Incompatible products/materials: Fluorine, Chlorine Tri fluoride, Hydrofluoric Acid, Oxygen Difluoride, strong acids

SECTION 8: Exposure controls/personal protection

Control parameters

Calcium Oxide:		
USA OSHA	OSHA PEL (TWA) (mg/m3)	5 mg/m ³
	TLV	5 mg/m ³
May contain <1% Crystalline Silica (Quartz):		0.1 mg/m ³ for respirable dust and <25% Cristobalite
USA OSHA	OSHA PEL (TWA) (mg/m3) TLV	.05 mg/m ³ for respirable dust

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Exposure controls

Appropriate engineering controls : Ensure all national/local regulations are observed.

Personal protective equipment : Insufficient ventilation: wear respiratory protection. Protective goggles and gloves



Hand protection : Chemical Resistant Gloves
Eye protection : Chemical Splash Goggles
Skin and body protection : None
Respiratory protection : NIOSH approved respirators for dust.

Other information : Provide sufficient mechanical ventilation to maintain exposures below TLV

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder
Colour : Off white to grey
Odour : No data Available
Odour threshold : No data available:
pH : 11.5-12.8
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash Point : Not known
Auto-ignition temperature : >200 C
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available :
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density
Density : 1.75 (SG) :
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

SECTION 10: Stability and reactivity

Stability Stable under recommended storage conditions.

Hazardous polymerization does not occur.

Conditions to Avoid Avoid dust formations.

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Incompatible Materials Fluorine, Chlorine Tri fluoride, Hydrofluoric Acid, Oxygen Difluoride, strong acids.

Hazardous Decomposition Products Carbon oxides (CO, CO₂) may form on combustion.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : Not classified

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	: No toxicological data is available for this product.

Skin corrosion/irritation: May cause irritation

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin irritation: Prolonged exposure may cause Silicosis

Germ cell mutagenicity: Not classified

Carcinogenicity: IARC classifies crystalline silica as a suspected carcinogen.

Reproductive toxicity: No

Specific target organ toxicity (single exposure): None

Specific target organ toxicity (repeated exposure): Prolonged exposure may cause damage to mucous membrane and silicosis (prog. pulmonary fibrosis)

Aspiration hazard: Not classified

Symptoms/injuries after inhalation:

Symptoms/injuries after eye contact: Eye irritation.

Symptoms/injuries after ingestion: M cause damage to the mucous membrane

SECTION 12: Ecological information

Toxicity

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M. Bahia 96 hr LC50	185,090 ppm
	First Response passes the 30,000 EPA Toxicity criteria@ 100 ppb in
	Fresh Water.

Bioaccumulative potential

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Bioaccumulative potential	Not established.

Mobility in soil

No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Water disposal Method: Place in approved waste disposal facility complying with all governmental regulations.

SECTION 14: Transport information

In accordance with DOT,TDG,IMDG,ICAO/IATA

: Not regulated for transportation

SECTION 15: Regulatory information

US Federal regulations

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Sara 311/312 Hazard Category: Acute

This product contains no chemicals which are listed as hazardous waste when disposed of.

31 TAC 335.501+ Provides for self classification of industrial solid waste. This product and empty containers which contained this product may be classified as Class 2 waste.

US State regulations

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State or local regulations : Not regulated for transportation.

SECTION 16: Other information

Indication of changes : 04/22/2014

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

H320	May cause eye irritation
H335	May cause respiratory irritation
H315	May cause skin irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Combustible if heated

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 2 Moderate Hazard

Physical : 0 Minimal Hazard



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.