

Material Safety Data Sheet: **Mammoth Silica**

Version No. 1

Date of Preparation: April 2021

ANSI-Z400.1-2004 Format

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mammoth Silica

Effective Date: **1 April 2021**

Manufacturer's Product Code Numbers: **Please refer to page 4*

Manufacturer information: Higrocorp Inc.
605 Justus Drive
Kingston, Ontario, Canada K7M 4H5
613-384-8882 (ph)

Distributor Information: Growcentia, Inc.
500 East Vine Drive
Fort Collins, CO 80524
970-818-3321 (ph)

GENERAL USE: *Mammoth Silica* has been shown to promote stem strength and upright stature.

SECTION 2: HAZARDS IDENTIFICATION

WARNING: **Keep out of reach of children and animals. Causes severe skin burns and eye damage due to low pH.**

Eye Contact: Avoid contact with eyes. If contact occurs, rinse eyes with adequate water for at least 15 minutes.

Ingestion: Do not ingest. If swallowed, rinse mouth and drink plenty of water.

Skin Contact: Avoid contact with skin. If contact occurs, remove contaminated clothing and wash contacted areas immediately with soap and water.

Inhalation: No adverse effects expected.

Carcinogens: Not available.

Exposure limits: Not available.

Medical Conditions: No medical conditions are known to be aggravated by exposure to *Mammoth Silica*. No hazardous ingredients, warnings due to low pH of product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Urea, Phosphoric Acid, Potassium Silicate, Sodium Molybdate, Boric Acid

CAS Number: Not Available

Synonyms: Mono Silicic Acid

SECTION 4: FIRST-AID MEASURES

Eye Contact: Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Seek medical attention if irritation persists.

Ingestion: If swallowed, rinse out mouth and drink water. Seek medical attention if symptoms occur.

Skin Contact: Remove contaminated clothing. Wash clothing and contacted area thoroughly with plenty of soap and water.

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

SECTION 5: FIRE-FIGHTING MEASURES

Mammoth Silica is stable, not flammable, and will not burn. No special procedures required.

Flash Point/Auto-Ignition: Not applicable. Not prone to spontaneous combustion.

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Do not use water jet, oxidizing agents.

Flammability Limits: Not flammable.

Special Fire Fighting Equipment/Procedures: Gives off irritating or toxic fumes (or gases) like carbon monoxide (CO), nitrogen oxides (NO_x) in a fire. Can react vigorously with oxidizing materials. Wear positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Do not enter spill area within four hours of release. Use standard safe work procedures, including the use of protective clothing, gloves, eye, and respiratory protection. Avoid inhalation, ingestion, and contact with skin and eyes.

Environmental Precautions: Do not let product enter drains or natural water sources.

Methods and Materials for Containment and Clean Up: Wait four hours after release before entering area. Wear protective clothing, gloves, eye, and respiratory protection. Absorb spill and dispose of material in accordance with local, regional, and national regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Use standard safe work procedures, including the use of protective clothing, gloves, eye, and respiratory protection. Avoid inhalation, ingestion, and contact with eyes or skin. Do not enter treated area within four hours of foliar application.

Storage: Always store in original packaging. Store locked up, in tightly closed container in a dry and well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure adequate ventilation. Safety shower and eyewash station should be within easy access.

Personal Protection:

Eyes: Safety glasses recommended.

Skin: Protective clothing and gloves recommended.

Respiratory: Respiratory protection recommended.

Other: Use standard safe work procedures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to white liquid

Odor: Minimal

Odor threshold: NA

pH: 1.2-1.5

Melting/Freezing Point: Estimated at 0°C / 32°F

Boiling Point: Estimated at 100°C / 212°F

Flash point: NA

Evaporation rate: NA

Flammability: Not flammable

Upper/lower flammability/explosive limits: Not flammable

Vapor Pressure: NA

Vapor Density: NA

Density: NA

Water Solubility: Soluble

Partition coefficient: NA

Auto-ignition temperature: NA

Decomposition temperature: NA

Viscosity: NA

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: This product is stable and non-reactive under normal conditions of storage, use, and transport.

Hazardous Reactions and Decomposition: Explosive decomposition may occur if combined with strong acids or bases and subjected to elevated temperatures. Carbon dioxide and carbon monoxide may form when heated to decomposition.

Conditions to Avoid: Ignition sources, excess heat, flames, sparks, strong oxidants.

Incompatible Materials: Avoid strong acids and bases; it may cause explosive decomposition with elevated temperature. Avoid oxidizing agents and materials reactive with hydroxyl compounds. Avoid contact with incompatible substances like polymerization catalysts (peroxides, persulfates) and accelerators, strong oxidizers, strong bases, and strong acids.

SECTION 11: TOXOLOGICAL INFORMATION

Chronic Toxicity: None known

Mutagenic Effects: None known

Teratogenic Effects: None known

Developmental Toxicity: None known

Carcinogenic Effects: None known

Acute Effects on Humans: None known

Sensitization: None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Avoid release to water sources.

Environmental Fate: No data available regarding the environmental fate.

SECTION 13: DISPOSAL CONSIDERATION

EPA Waste Number: Non-hazardous waste

Disposal Methods: Rinse packaging and dispose of packaging and product in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Canadian Transportation of Dangerous Goods

UN Number UN3264

Shipping Name & Description Corrosive Liquid, Acidic, Inorganic, N.O.S.

Class & Label Code 8

Packing Group II

Special Provisions 16

Limited Quantity Index 1 L

Excepted Quantities E2

Passenger Carrying Vehicle Index 1 L

United States Department of Transportation Hazardous Materials

Symbols	G
UN Number	UN3264
Shipping Name & Description	Corrosive Liquid, Acidic, Inorganic, N.O.S.
Class & Label Code	8
Packing Group	II
Special Provisions	386, B2, IB2, T11, TP2, TP27
Packaging Exceptions, Non-Bulk, Bulk	154 (8A); 202 (8B); 242 (8C)
Quantity Limitations	1 L Passenger Aircraft/Rail (9A); 30 L Cargo Aircraft Only (9B)
Vessel Stowage	Location B, Other 40

Air transport (ICAO-TI/IATA-DGR)

UN Number	UN 3264
UN Proper Shipping Name	Corrosive Liquid, Acidic, Inorganic, N.O.S.
Transport Hazard Class(es)	8
Packing Group	II
Hazard Label	Corrosive
IATA-Packing Instructions	Y840
IATA-Max. Quantity – Passenger	1 L
IATA-Packing Instructions – Cargo	851
IATA-Max. Quantity – Cargo	1 L

SECTION 15: REGULATORY INFORMATION

Canada – Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): All ingredients are either listed on the DSL/NDSL or are exempt.

USA – Toxic Substances Control Act (TSCA): Ingredients are either listed on the TSCA inventory or are exempt.

SECTION 16: OTHER INFORMATION

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