SAFETY DATA SHEET

TRAVERSE NO. 316
Product ID: FP031600
Revised: 01-26-2018
Replaces: 05-07-2015

1. IDENTIFICATION

Product Identifier: TRAVERSE NO. 316
Other Identifiers: R21919A
CAS Number: MIXTURE
Recommended Use: For use as a dry floor treatment.
Restrictions on Use: No data available.

Hydrite Chemical Co.
300 N. Patrick Blvd.
Brookfield, WI 53008-0948
(262) 792-1450

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

GHS Classification(s): Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A

GHS Label Elements:

GHS Hazard Symbols:

Signal Word: Warning

Hazard Statements: Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements:

Prevention: Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice or attention.
If eye irritation persists: Get medical advice or attention.
Take off contaminated clothing and wash before reuse.

Hazards Not Otherwise Classified: None known.

Percentage of Components with Unknown Acute Toxicity:
Dermal: 90 %
Inhalation Vapor: 12 %
Inhalation Dust/Mist: 22 %

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances/Mixtures:

Chemical or Common Name/Synonyms	CAS Number	% by Wt.
Citric Acid	77-92-9	< 20 %

Hydrated, Amorphous Silica	112926-00-8	< 5 %

4. FIRST-AID MEASURES

Description of Necessary Measures:

Eye Contact: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lenses if worn.

Skin Contact: If on skin: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

Inhalation: If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Most Important Symptoms/Effects, Acute and Delayed:

Eye Contact: Causes severe irritation. Symptoms may include: redness. burning sensation.

Skin Contact: May cause mild to moderate irritation. Prolonged and repeated exposure may cause: drying. cracking. itching. redness. burning sensation. severe irritation.

Skin Absorption: No absorption hazard expected under normal use.

Inhalation: Causes moderate irritation. Dusts may irritate: nose. throat. mucous membranes. Symptoms may include: coughing. dryness. sore throat. nose bleeds.

Ingestion: May cause severe irritation. May irritate or burn: mucous membranes. May cause: vomiting (bloody). pain. burning sensation. Erosion of teeth is possible.

Indication of Immediate Medical Attention and Special Treatment Needed: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: For fires in area use appropriate media. For example: Water spray. Dry chemical. Carbon dioxide. Alcohol foam.

Specific Hazards Arising from the Chemical:

Fire and Explosion Hazards: Material will not ignite or burn. Not considered to be an explosion hazard, but violent explosions occur when sodium sulfate is melted with aluminum or magnesium.

Hazardous Combustion Products: Sodium oxide. Sulfur oxides. Carbon dioxide. Carbon monoxide.

Special Protective Equipment and Precautions for Fire-Fighters: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, Emergency Procedures: Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

Methods and Materials for Containment and Clean Up: Sweep up material into containers and dispose of properly. Vacuuming or wet sweeping may be used to avoid dust dispersal. Flush remaining area with water to

remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Minimize dust formation. Use non-sparking tools and equipment. Eliminate all sources of ignition.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Avoid dust formation. Avoid breathing dust. Whenever dusts can develop, use non-sparking tools and eliminate all ignition sources.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Keep away from metals. Corrosive to metals (as aqueous solution).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Exposure Guidelines:

Component	Limits
Hydrated, Amorphous Silica	20 mppcf TWA; (80)/(% SiO2) mg/m3 TWA; Respirable Dust: 20 mppcf

ACGIH Exposure Guidelines:

Component	Limits
Hydrated, Amorphous Silica	10 mg/m3 TWA

Note:
* Recommend exposure limits for Particulates Not Otherwise Regulated/Particulates (Insoluble or Poorly Soluble) Not Otherwise Specified: 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)(OSHA); 3 mg/m3 (Respirable particles), 10 mg/m3 (Inhalable particles)(ACGIH).

Engineering Controls: General room ventilation and local exhaust are required. Avoid creating dust or mist. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Individual Protection Measures:

Eye/Face Protection: Wear chemical safety goggles while handling this product. Do not wear contact lenses.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Rubber. Chemical-resistant.

Respiratory Protection: Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If dust or mist is present, wear: NIOSH-Approved respirator. NIOSH-Approved respirator for dusts and mists. NIOSH-Approved air-purifying respirator with: Dust/mist filter. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Rubber apron. Protective clothing.

General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Free flowing. Dry.
Color: Red.
Odor: Mild citrus odor.

Odor Threshold: N.D.
pH: 3 (1%)
Freezing Point (deg. F): N.D.
Melting Point (deg. F): N.D.
Initial Boiling Point or Boiling Range: N.D.
Flash Point: N.D.
Flash Point Method: N.A.
Evaporation Rate (nBuAc = 1): N.D.
Flammability (solid, gas): N.D.
Lower Explosion Limit: N.A.
Upper Explosion Limit: N.A.
Vapor Pressure (mm Hg): N.D.
Vapor Density (air=1): N.D.
Specific Gravity or Relative Density: 63.1 (BULK DENSITY)
Solubility in Water: Appreciable
Partition Coefficient (n-octanol/water): N.D.
Autoignition Temperature: No Data
Decomposition Temperature: N.D.
Viscosity: N.D.
% Volatile (wt%): N.D.
VOC (wt%): N.D.
VOC (lbs/gal): N.D.
Fire Point: N.D.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions. Reacts with strong acids to generate hydrogen chloride. Reacts with strong oxidizing agents to generate chlorine gas.

Conditions to Avoid: Avoid dust formation. HYGROSCOPIC MATERIAL. Avoid contact with moisture. Avoid elevated temperatures. Avoid static discharges. Avoid heat, sparks or open flames.

Incompatible Materials: Strong acids. Strong oxidizing agents. Aluminum. Magnesium. Alkalies. Bases. Sulfides. Carbonates. Acetates. Potassium Tartrate. Metal Nitrates. Reducing agents. Bicarbonates. Amines. Alkali metals. Copper, aluminum, zinc and their alloys. Lead. Oxides of sulfur. Fiber-reinforced Polyester. Steel. Brass. Cast Iron. Reactive Metals.

Hazardous Decomposition Products: Chlorine gas. Hydrogen chloride. Sodium oxide. Sulfur oxides. Carbon dioxide. Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes. Ingestion. Inhalation. Skin.

Symptoms/Effects: Acute, Delayed and Chronic:

Eye Contact: Causes severe irritation. Symptoms may include: redness. burning sensation.

Skin Contact: May cause mild to moderate irritation. Prolonged and repeated exposure may cause: drying. cracking. itching. redness. burning sensation. severe irritation.

Skin Absorption: No absorption hazard expected under normal use.

Inhalation: Causes moderate irritation. Dusts may irritate: nose. throat. mucous membranes. Symptoms may include: coughing. dryness. sore throat. nose bleeds.

Ingestion: May cause severe irritation. May irritate or burn: mucous membranes. May cause: vomiting (bloody). pain. burning sensation. Erosion of teeth is possible.

Numerical Measures of Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride	Rat: 3 g/kg	No Data	1H Rat: > 42 g/m3
Sodium Sulfate	Rat: > 10000 mg/kg	No Data	No Data
Citric Acid	Rat: 3000 mg/kg	Rat: > 2000 mg/kg	No Data

Cancer Information:
This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

Medical Conditions Aggravated by Exposure to Product: Eye disorders. Respiratory system disorders. Skin disorders.

Other: Acute Systemic Effects: Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract. Excessive contact with powder can cause drying of mucous membranes of nose, eyes and throat due to absorption of moisture and oils. This material can cause nasal and respiratory tract irritation and nosebleeds.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: N.A.

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied. Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Proper Shipping Name: Not regulated by the DOT.

15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
Synthetic Amorphous Silica CAS# for TSCA Inventory is 7631-86-9.

SARA Title III Section 311/312 Category Hazards:

Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Pressure Release	Reactive
Yes	No	No	No	No

Regulated Components: Component	CAS Number	CERCLA RQ	SARA EHS	SARA 313	U.S. HAP	WI HAP	Prop 65
No components found.							

***Prop 65 - May Contain the Following Trace Components:**
No data available.

16. OTHER INFORMATION

Hazard Rating System
Health: 2
Flammability: 0
Reactivity: 0
* = Chronic Health Hazard

NFPA Rating System
Health: 2
Flammability: 0
Reactivity: 0
Special Hazard: None

SDS Abbreviations
N.A. = Not Applicable
N.D. = Not Determined
HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
C = Ceiling Limit
N.E./Not Estab. = Not Established

SDS Prepared by: CSH

Reason for Revision: Changes made in section 9.

Revised: 01-26-2018
Replaces: 05-07-2015

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.