

**Section 1 - Identification**

- 1.1 Product Identifier:** Monster Gel™ Traditional; Monster Gel™ TG
- 1.2 General Use:** Alginate
- 1.3 Manufacturer:** The Monster Makers, Inc.,
13597 West Parkway Rd., Cleveland, OH 44135
Phone: (216) 671-8700
sales@monstermakers.com
- 1.4 Emergency Contact:** Chem-Tel
Domestic: 800-255-3924 International 813-248-0585

Section 2 - Hazards

- 2.1 Classification of the substance or mixture:**
Comb. Dust H232
Skin Irrit. 2
H315 Eye Dam. 1
H318 Carc. 1A H350
- 2.2 GHS Label elements, including precautionary statements**
Pictogram(s):



Signal Word: Danger

Hazard Statements:

- H232 - May form combustible dust concentrations in air
H315 - Causes skin irritation
H318 - Causes serious eye damage
H350 - May cause cancer (Inhalation)

General

- Precautions:** P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P302+P352 - If on skin: Wash with plenty of water/...
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical advice/attention
P310 - Immediately call a poison center/doctor/...
P321 - Specific treatment (see First aid measures on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention



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P362 - Take off contaminated clothing and wash before reuse

P405 - Store locked up

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Hazards not otherwise classified (HNOC) or not covered by GHS:

This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m³. Exposure to high concentrations may produce lung damage.

This product can produce a nuisance dust, which should be maintained below a time weighted average of 10 mg/m³. Exposure to high concentrations may produce lung damage

Section 3 - Composition / Information on Ingredients

3.1 Substances

Not applicable

Name	Product Identifier	%	GHS-US Classification
Crystalline Free Silica (Quartz)	(CAS No) 14808-60-7	<75	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
Alginic acid, sodium salt	(CAS No) 9005-38-3	< 25	N/A
Tetrasodium pyrophosphate	(CAS No) 7722-88-5	< 25	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Calcium sulfate	(CAS No) 7778-18-9	<25	Skin Irrit. 2, H315 Eye Dam. 1, H318

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact: In case of skin contact, wash thoroughly with soap and water.

Ingestion: Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after skin contact:

May cause irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.

Symptoms/injuries after eye contact:

Serious damage to eyes. Symptoms include stinging, watering, redness, soreness and swelling.

Symptoms/injuries after inhalation

This product can produce a nuisance dust, which should be maintained



below a time weighted average of 10 mg/m³.

Symptoms/injuries after ingestion:

Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3 After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media:

Suitable extinguishing media: Water spray

Unsuitable extinguishing media: Avoid using dry chemical powder and carbon dioxide.

This may form fine dust when dispersed

5.2 Special hazards arising from the substance or mixture: This product is not flammable

Avoid generation of dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards

5.3 Advice for firefighters: Use water spray to cool fire-exposed surfaces and to protect personnel.

Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Dust Deposits should

not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid contact with skin and eyes. Do not breathe dust. Evacuate unnecessary personnel

6.2 Environmental precautions: Avoid release to the environment

6.3 Methods and material for containment and cleaning up: Recover mechanically the product.

Wet clean or vacuum up solids. Sweep or shovel spills into appropriate container for disposal. Wash contaminated area with large amounts of water. Avoid raising powdered materials into airborne dust. Avoid dispersal of dust in the air (i.e.. cleaning dust surfaces with compressed air). Non-sparking tools should be used.

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections: See Section 3 for Hazardous Ingredients; Section 8 for Exposure Controls; and Section 13 for Disposal.

Section 7 - Handling and Storage

7.1 Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with

skin and eyes. Wear personal protective equipment. Avoid prolonged or repeated breathing of vapor or dust. Use only in well ventilated areas. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixture operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres.



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Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities: Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

7.3 Incompatible materials: Hydrofluoric acid.

Section 8 – Exposure Controls / Personal Protection

8.1 Control parameters: none defined

Calcium Sulfate (7778-18-9)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (inhalable fraction)
OSHA	OSAH PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)

Tetrasodium Pyrophosphate (7722-88-5)		
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (vacated PEL)

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)

8.2 Exposure controls: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection: Chemical protective gloves.

Eye Protection: Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Other Protective Clothing/Equipment: Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.



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Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: Solid; powder; white Odor/Threshold: odorless pH: N/A (non-aqueous) Melting Point/Freezing Point: N/A Low/High Boiling Point: N/A Flash point: Not Applicable Evaporation Rate: Not Applicable Flammability: Not Applicable UEL/LEL: LEL: 62 g/m ³	Vapor Pressure: None Vapor Density (Air=1): Not Applicable Specific Gravity (H₂O=1, at 4C): N/A Water Solubility: Soluble Partition Coefficient: Not Available Auto-Ignition Temperature: > 734°F Decomposition Temperature: Not Available Viscosity: Not Applicable (Powder) % Volatile: Nil
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Section 10 - Stability and Reactivity

- 10.1 Reactivity:** Reactive to water.
- 10.2 Chemical stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerization cannot occur.
- 10.4 Conditions to avoid:** Avoid contact with vapor and humidity
- 10.5 Incompatible materials:** strong bases and acids
- 10.6 Hazardous decomposition products:** Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

Section 11 - Toxicological Information

11.1 Information on Toxicological Effects:

Quartz (14808-60-7)	
LD50 oral rat	LD50 oral rat
ATE US (oral)	ATE US (oral)

Alginate acid, sodium salt (9005-38-3)	
LD50 oral rat	LD50 oral rat

Tetrasodium pyrophosphate (7722-88-5)	
LD50 oral rat	LD50 oral rat
ATE US (oral)	ATE US (oral)

Calcium sulfate (7778-18-9)	
LD50 oral rat	LD50 oral rat

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/Irritation: Causes serious eye damage.

Symptoms include stinging, watering, redness, soreness and swelling.

Respiratory/Skin Sensitization: No Data

Germ Cell Mutagenicity: No Data



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Carcinogenicity: May cause cancer (Inhalation).

Quartz (14808-60-7)	
IARC group	IARC group
National Toxicology Program (NTP) Status	National Toxicology Program (NTP) Status

- Reproductive Toxicity:** No Data
- Specific Target Organ Toxicity - Single Exposure:** No Data
- Specific Target Organ Toxicity - Repeated Exposure:** No Data
- Aspiration Hazard:** No Data
- Acute Toxicity: (calculated)**
- Chronic Exposure:** No Data
- Potential Health Effects - Miscellaneous:** No Data

Section 12 - Ecological Information

12.1 Toxicity: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Calcium sulfate (7778-18-9)	
LC50 fish 1	2980 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	> 1970 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

- 12.2 Persistence and Degradability:** no data
- 12.3 Bioaccumulative Potential:** no data
- 12.4 Mobility in Soil:** no data
- 12.5 Results of PBT and vPvB assessment:** no data
- 12.6 Other Adverse Effects:** no data

13 - Disposal Considerations

13.1 Waste Treatment Methods: Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Page 4 of 5 Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Section 14 - Transport Information

- In accordance with DOT
- Not regulated for transport
- 14.1 UN Number:** None
- 14.2 UN Proper Shipping Name:** None
- 14.3 Transport Hazard Class(es):** Not Applicable
- 14.4 Packing Group:** Not Applicable
- 14.5 Environmental Hazards:** None Known
- 14.6 Special Precautions for User:** None Known
- 14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not Applicable

**Section 15 - Regulatory Information****15.1 Safety Health and environmental regulation/legislation specific for the substance or mixture:
In the United States (EPA Regulations):**

Tetrasodium pyrophosphate (7722-88-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium sulfate (7778-18-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Quartz (14808-60-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 International Regulations**Canada**

Alginic acid, sodium salt (9005-38-3)	
Listed on the Canadian DSL (Domestic Substances List)	
Tetrasodium pyrophosphate (7722-88-5)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Calcium sulfate (7778-18-9)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Quartz (14808-60-7)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic

EU-Regulations

No additional Information Available

Tetrasodium pyrophosphate (7722-88-5)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Calcium sulfate (7778-18-9)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Quartz (14808-60-7)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	

National Regulations

Alginic acid, sodium salt (9005-38-3)	
Listed on the AICS (Australian Inventory of Chemical Substances)	



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<p>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican national Inventory of Chemical Substances)</p>	
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<p>Tetrasodium pyrophosphate (7722-88-5)</p> <p>Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Canadian IDL (Ingredient Disclosure List)</p>	
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<p>Calcium sulfate (7778-18-9)</p> <p>Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p>	
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<p>Quartz (14808-60-7)</p> <p>Listed on IARC (International Agency for Research on Cancer) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals)</p>	
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Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian IDL (Ingredient Disclosure List)

TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazard(s): This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 313 Components: None

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for this substance/mixture by the supplier.

US. California Proposition 65 This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

Listed substance Crystalline silica (Quartz) (CAS 14808-60-7)

Section 16 - Other Information

HMIS	
H	1
F	1
R	0
PP	B



NFPA

SDS Version: 1

Date Prepared: 5/15/18

Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CASChemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIPChemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRAEmergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-



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Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of The Monster Makers, Inc. regardless of the legal theory advanced, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use. This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.