

SAFETY DATA SHEET

Following Regulation 1910.1200

SDS Number: 700 Date of first issue: 20 July 2006 Date of last revision: 21 February 2022

1 - Identification of product

a - Product identifier used on the label

Tradenames:

b - Other means of identification

ACCELERANT

c - Recommended use of the chemical and restrictions on use

Specialty crop nutrient, turf grass fertilizer, general fertilizer uses, and specialty industrial uses

d - Name, address, and telephone number

Morgan Advanced Materials
P. O. Box 923; Dept. 300
Augusta, GA 30903-0923
Telephone: 706-796-4200

e - Emergency Phone Number

For Product Stewardship and Emergency Information:
Hotline - 1-800-722-5681
Fax - 706-560-4054

For additional SDSs and to confirm this is the most current SDS for the product, visit our web page www.morganthermalceramics.com or send a request to MT.NorthAmerica@morganplc.com

2 - Hazard Identification

a - Classification of the chemical in accordance with paragraph (d) of §1910.1200

Under OSHA HCS 2012, this product is classified as Category 2 skin & eyes irritant.

b - Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Hazard Pictograms



Hazard Statements

- Causes mild skin irritation
- Causes eye irritation
- May cause respiratory irritation
- May cause temporary irritation to exposed eyes, skin or respiratory tract.

Precaution Statements

- Do not handle until all safety instructions have been read and understood.
- Wear protective gloves, protective clothing, eye protection, and face protection.
- If concerned about exposure, get medical advice
- Dispose of waste in accordance with local, state and federal regulations.

Emergency Overview

May cause eye and skin irritation.

c - Describe any hazards not otherwise classified that have been identified during the classification process

d - Mixture Rule

Not applicable.

3 - Composition / Information On Ingredients

a - Composition table

COMPONENTS	CAS NUMBER	% BY WEIGHT
Component "C" Accelerant	Proprietary	99 - 100

b - Common Name

(See Section 8 "Exposure Controls / Personal Protection" for exposure guidelines)

d - Impurities and Stabilizing Additives

4 - First-Aid measures

a - Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion

Eyes

Flush with large amounts of water for at least 15 minutes. Do not rub eyes.

Skin

Wash with soap and water. If symptoms develop and persist, get medical attention.

Respiratory Tract

Remove affected person to clean fresh air. Drink water to clear throat, and blow nose to remove dust.

Gastrointestinal

Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Never give anything by mouth if victim is unconscious or is convulsing.

c - Indication of immediate medical attention and special treatment needed, if necessary

5 - Fire-fighting measures

a - Suitable (and unsuitable) extinguishing media and

Use extinguishing media suitable for type of surrounding fire

c - Special Protective Equipment and Precautions for Firefighters

NFPA Codes: Flammability: 0 Health: 1 Reactivity: 0 Special: 0

b - Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

None

6 - Accidental Release Measures

a - Personal precautions, protective equipment, and emergency procedures

Personal precautions: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Method of containment: None necessary.

Method of cleaning up: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

b - Methods and materials for containment and cleaning up

Pick up large pieces and dispose in a closed container. Follow precaution stated in above section for clean up.

7 - Handling and storage

a - Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Avoid breathing aerosol mist. Wash thoroughly after handling.

b - Conditions for safe storage, including any incompatibilities

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances.

c - empty containers

Product packaging may contain residue. Do not reuse.

8 - Risk Management Measures / Exposures Controls / Personal Protection

a - OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available

EXPOSURE LIMITS

Ingredient(s) Exposure Limits

Component "C" Accelerant ACGIH-TLV - Not established OSHA-PEL - Not established

b - Appropriate Engineering Controls

TWA PEL: No specific limits have been established for Component "C" Accelerant (a soluble substance). As a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.

TWA TLV: No specific limits have been established for Component "C" Accelerant (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10 mg/cu.m. Inhalable Particulate 8-Hour TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

c - Individual protection measures, such as personal protective equipment

PPE - Skin

Eye / Face protection: Wear safety glasses with side shields.

Hand protection: Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection: As required by employer code.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.

General hygiene consideration: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

PPE - Eye

Goggles/safety glasses with sideshields should be worn.

PPE – Respiratory

When it is not possible or feasible to reduce airborne fiber and dust levels below the PEL, OEL or REG through engineering controls, or until they are installed, employees are encouraged to use good work practices together with respiratory protection. Before providing respirators to employees (especially negative pressure type), employers should: 1) monitor for airborne dust concentrations using appropriate NIOSH analytical methods and select the respiratory protection based upon the results of that monitoring, 2) have the workers evaluated by a physician to determine the workers' ability to wear respirators, and 3) implement respiratory protection training programs. Use NIOSH/MSHA approved respirators, in compliance with OSHA Respiratory Protection Standard 29 CFR 1910.134 and 29 CFR 1926.103, for the particular hazard or airborne concentrations to be encountered in the work environment.

9 - Physical and chemical properties

a - Appearance	White to brown solid crystals or granular, no odor
b - Odor	Not applicable
c - Odor Threshold	Not applicable
e - pH	7 (10% solution)
d - Melting Point	Not applicable
f - Initial Boiling Point/Range	3072.20°F (1689°C)
g - Flashpoint	Not applicable
h - Evaporation Rate	Not applicable
i - Flammability	Not applicable
j - Upper/Lower Flammability or Explosive Limits	Not applicable
k - VAPOR PRESSURE	Not applicable
l - VAPOR DENSITY	Not applicable
m - Solubility	Not Applicable
n - Relative Density	2.66 @ 21°C (H2O = 1)
o - Partition Coefficient: n-Octanol/water	Not applicable
p - Auto-ignition temperature	Not applicable
q - Decomposition Temperature	Not applicable
r - Viscosity	Not applicable

10 - Stability and Reactivity

a - Reactivity

None.

b - Chemical Stability

Stable under conditions of normal use.

c - Possibility of Hazardous Reaction

None

d - Conditions to Avoid

Do not mix with other chemicals

e - Incompatible Materials

Magnesium, aluminum

f - Hazardous decomposition products

May include and are not limited to: Oxides of sulphur.

11 - Toxicological information

a - TOXICOKINETICS, METABOLISM AND DISTRIBUTION

b - Acute Toxicity

c - Epidemiology

d - Toxicology

Component Analysis – LC50

Ingredient(s) LC50

Component "C" Accelerant Not available

Component Analysis – Oral LD50

Ingredient(s) LD50

Component "C" Accelerant 6600 mg/kg rat

Effects of acute exposure

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion: May cause stomach distress, nausea or vomiting.

Sensitization: Not classified or listed by IARC, NTP, OSHA and ACGIH.

Chronic effects: Not classified or listed by IARC, NTP, OSHA and ACGIH.

Carcinogenicity: Not classified or listed by IARC, NTP, OSHA and ACGIH.

Mutagenicity: Not classified or listed by IARC, NTP, OSHA and ACGIH.

Reproductive effects: Not classified or listed by IARC, NTP, OSHA and ACGIH.

Teratogenicity: Not classified or listed by IARC, NTP, OSHA and ACGIH.

International Agency for Research on Cancer and National Toxicology Program

12 - Ecological information

No data available.

c - Bioaccumulative potential

No information for the product.

d - Mobility in soil

e - Other adverse effects (such as hazardous to the ozone layer)

No adverse effects of this material on the environment are anticipated.

13 - Disposal Considerations

Waste Management and Disposal

Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulation.

No waste codes available.

Additional information

14 - Transport information

a - UN number.

Hazard Class: Not Regulated United Nations (UN) Number: Not Applicable
Labels: Not Applicable North America (NA) Number: Not Applicable
Placards: Not Applicable Bill of Lading: Product Name

b - UN proper shipping name

Not applicable.

c - Transport hazard class(es)

Not applicable.

d - Packing group, if applicable

Not applicable.

e - Environmental hazards (e.g., Marine pollutant (Yes/No))

No.

f - Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not regulated.

g - Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Not applicable.

International

INTERNATIONAL

Canadian TDG Hazard Class & PIN: Not regulated

Not classified as dangerous goods under ADR (road), RID (train), IATA (air) or IMDG (ship).

15 - Regulatory information

15.1 - United States Regulations

UNITED STATES REGULATIONS

US Federal Regulations: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances: Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical: No

CERCLA (Superfund) reportable quantity: None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

Immediate Hazard – No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

Safe Drinking Water Act (SDWA): Not available

Drug Enforcement Agency (DEA): Not available

Food and Drug Administration (FDA): Not available

WHMIS status: Not controlled

State regulations:

WARNING – This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

INVENTORY NAME

Country or Region	Inventory Name	On Inventory (Yes/No)
*Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

15.2 - International Regulations

16 - Other Information

initial statement

Devitrification

Product Stewardship Program

HMIS HAZARD RATING

TECHNICAL DATA SHEETS

Left Blank Intentionally (pending datasheet number)

Revision Summary

Revision date updated.

MSDS prepared by

SDS Prepared By: MORGAN THERMAL CERAMICS ENVIRONMENTAL, HEALTH & SAFETY DEPARTMENT

Disclaimer

The information presented herein is presented in good faith and believed to be accurate as of the effective date of this Safety Data Sheet. Employers may use this SDS to supplement other information gathered by them in their efforts to assure the health and safety of their employees and the proper use of the product. This summary of the relevant data reflects professional judgment; employers should note that information perceived to be less relevant has not been included in this SDS. Therefore, given the summary nature of this document, Morgan Thermal Ceramics does not extend any warranty (expressed or implied), assume any responsibility, or make any representation regarding the completeness of this information or its suitability for the purposes envisioned by the user.