



## SAFETY DATA SHEET

Following Regulation 1910.1200

SDS Number: MK206      Date of first issue: 05 March 1997      Date of last revision: 21 February 2022

### 1 - Identification of product

#### a - Product identifier used on the label

**Tradenames:** Amorphous Hipurity Silicafiber

#### b - Other means of identification

MICROPOROUS INSULATION

#### c - Recommended use of the chemical and restrictions on use

Thermal Insulation

#### d - Name, address, and telephone number

<b>Morgan Advanced Materials</b> 2730 Industrial Parkway Elkhart, IN 46516 Telephone: 574-296-3500	<b>Morgan Advanced Materials</b> P. O. Box 923; Dept. 300 Augusta, GA 30903-0923 Telephone: 706-796-4200
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#### 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](http://www.morganthermalceramics.com) or send a request to [MT.NorthAmerica@morganplc.com](mailto:MT.NorthAmerica@morganplc.com)

### 2 - Hazard Identification

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

Not classified. Read the entire safety data sheet.

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

Not classifiable according to OSHA HCS 2012 (29CFR1910.1200).

#### Emergency Overview

Inhalation of excessive amounts of dust from the product may cause temporary upper respiratory irritation and/or congestion. Remove individual to fresh air.

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

#### d - Mixture Rule

### 3 - Composition / Information On Ingredients

#### a - Composition table

COMPONENTS	CAS NUMBER	% BY WEIGHT
Amorphous Silica Fibers	7631-86-9	> 98.5

#### b - Common Name

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

#### d - Impurities and Stabilizing Additives

Not applicable.

### 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 affected area gently with soap and water. Skin cream or lotion after washing may be helpful.

##### Respiratory Tract

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

##### Gastrointestinal

Unlikely route of exposure.

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

## 5 - Fire-fighting measures

### a - Suitable (and unsuitable) extinguishing media and

Carbon dioxide, water, water fog, dry chemical

### c - Special Protective Equipment and Precautions for Firefighters

### 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

Avoid creating airborne dust. Follow routine housekeeping procedures. Vacuum only with HEPA filtered equipment. If sweeping is necessary, use a dust suppressant and place material in closed containers. Do not use compressed air for clean-up. Personnel should wear gloves, goggles and approved respirator.

### 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

Limit the use of power tools unless in conjunction with local exhaust. Use hand tools whenever possible. Frequently clean the work area with HEPA filtered vacuum or wet sweeping to minimize the accumulation of debris. Do not use compressed air for clean-up.

### b - Conditions for safe storage, including any incompatibilities

This product is stable under all conditions of storage. Store in original factory container in a dry area. Keep container closed when not in use. Do not reuse the container.

### 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 GUIDELINES			
MAJOR COMPONENT	OSHA PEL	ACGIH TLV	MANUFACTURER'S REG
Amorphous Silica Fiber	Not Established	Not Established	1 f/cc
<u>OTHER OCCUPATIONAL EXPOSURE LEVELS (OEL)</u> Ontario Canada OEL= 1 f/cc. Industrial hygiene standards and occupational exposure limits vary between countries and local jurisdictions. Check which exposure levels apply to your facility and comply with local regulations. If no regulatory dust or other standards apply, a qualified industrial hygienist can assist with a specific workplace evaluation including recommendations for respiratory protection.			

### b - Appropriate Engineering Controls

It is prudent to reduce exposure to respirable dusts to the lowest attainable level through the use of engineering controls such as ventilation and dust collection devices. Effective technologies to control respirable dust are available. These include local exhaust ventilation, point of generation dust collection, down draft workstations, emissions controlling tool designs and materials handling equipment. For further information call the Thermal Ceramics' Product Stewardship Hotline: (800-722-5681).

### c - Individual protection measures, such as personal protective equipment

#### PPE - Skin

Wear long-sleeved, loose fitting clothing, gloves and hat as necessary to prevent skin irritation.

#### PPE - Eye

Wear goggles/safety glasses with sideshields

#### PPE – Respiratory

When engineering and/or administrative controls are insufficient to maintain workplace concentrations below the PEL/REG or OEL, the use of appropriate respiratory protection, pursuant to the requirements of OSHA Standards 29 CFR 1910.134 and 29 CFR 1926.103, is recommended. A NIOSH certified respirator with a filter efficiency of at least 95% should be used. The 95% filter efficiency recommendation is based on NIOSH respirator selection logic sequence for exposure to particulates. Selection of filter efficiency (i.e. 95%, 99% or 99.97%) depends on how much filter leakage can be accepted and the concentration of airborne contaminants. Other factors to consider are the NIOSH filter series N, R or P. (N) Not resistant to oil, (R) Resistant to oil and (P) oil Proof. These recommendations are not designed to limit informed choices, provided that respiratory protection decisions comply with 29 CFR 1910.134.

The evaluation of workplace hazards and the identification of appropriate respiratory protection is best performed, on a case by case basis, by a qualified industrial hygienist.

## 9 - Physical and chemical properties

a - Appearance	White binderless silica fibers in blanket form
b - Odor	Not applicable
c - Odor Threshold	Not applicable
e - pH	Not applicable
d - Melting Point	>1300°F
f - Initial Boiling Point/Range	Not applicable
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 soluble in water
n - Relative Density	Variable
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

None

### e - Incompatible Materials

This product is not reactive

### f - Hazardous decomposition products

None

## 11 - Toxicological information

### a - TOXICOKINETICS, METABOLISM AND DISTRIBUTION

#### b - Acute Toxicity

A: General Product Information

Dust from this product is a mechanical irritant, which means that it may cause temporary irritation or scratchiness of the throat, and/or itching of the eyes and skin.

B: Component Analysis – LD50/LC50

Amorphous Silica Fibers (7631-86-9)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg Component Carcinogenicity

Amorphous Silica Fibers (7631-86-9)

IARC: Group 3 – Not Classifiable (IARC Monograph 68 [1997], Supplement 7 [1987])

#### c - Epidemiology

#### d - Toxicology

International Agency for Research on Cancer and National Toxicology Program

## 12 - Ecological information

These products are not reported to have any ecotoxicity effects.

### c - Bioaccumulative potential

No bioaccumulative potential.

### d - Mobility in soil

No 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

To prevent waste materials becoming airborne, a covered container or plastic bagging is recommended. Comply with federal, state and local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

### Additional information

This product, as manufactured, is not classified as a listed or characteristic hazardous waste according to U. S. Federal regulations (40 CFR 261). Any processing, use, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under U. S. Federal regulations, it is the waste generator's responsibility to properly characterize a waste material, to determine if it is a "hazardous" waste. Check local, regional, state or provincial regulations to identify all applicable disposal requirements.

## 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**

**SARA Title III:** This product does not contain any substances reportable under Section 302, 304, 313 (40 CFR 372). Section 311 and 312 apply.

**OSHA:** Comply with Hazard Communication Standards 29 CFR 1910.1200 and 29 CFR 1926.59 and Respiratory Protection Standards 29 CFR 1910.134 and 29 CFR 1926.103.

**TSCA:** All substances contained in this product are listed, if required, in the TSCA Chemical Inventory.

### 15.2 - International Regulations

#### **INTERNATIONAL REGULATIONS**

**Canada WHMIS:** Not applicable

**Canadian EPA:** All substances in this product are listed, as required, on the Domestic Substance List (DSL)

## 16 - Other Information

### initial statement

### Devitrification

### Product Stewardship Program

Morgan Thermal Ceramics [www.morganthermalceramics.com](http://www.morganthermalceramics.com)

### HMIS HAZARD RATING

### TECHNICAL DATA SHEETS

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### 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.