



1001 E. Centralia Street
Elkhorn, WI 53121

SAFETY DATA SHEET

AMSiTM 708

Revision Date: 10 February 2021

1) IDENTIFICATION

| | |
|------------------------------|------------------------------|
| PRODUCT NAME | AMSiTM 708 |
| IDENTIFICATION NUMBER | PP-70-HP HS18 |
| PRODUCT USE/CLASS | Hydrophobic Silica |
| CAS NUMBER | 67762-90-7 |

SUPPLIER:

Applied Material Solutions, Inc.
1001 E. Centralia Street
Elkhorn, WI 53121
Phone: (262)723-6595 Fax: (262)723-3830

Emergency telephone: 1-800-535-5053 (INFOTRAC)
24 Hours day / 7 Days week

2) HAZARDS

| | |
|------------------------------------|---|
| Classification: | Product is not classified as hazardous under GHS criteria or OASHA Hazard Communication Standard (29 CFR 1910.1200) |
| GHS Label Elements: | |
| Symbol(s): | None |
| Signal Word(s): | None |
| Hazard statement(s): | Not classified as a hazardous chemical under GHS criteria or OSHA Hazardous Communication Standard (29 CFR 1910.1200) |
| Precautionary statement(s): | |
| Prevention: | P102 Keep out of reach of children P261 Avoid breathing dust/fume/gas/mist/vapor/spray P264 Wash hands thoroughly after handling P270 Do not eat, drink or smoke when using this product |
| Response: | P330 Rinse Mouth P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing P352 Wash with plenty of soap and water. |

AMSi™ 708

Storage: P363 Wash contaminated clothing before reuse
 P402+P404 Store in a dry place. Store in a closed container
 Disposal: P501 Dispose of contents/container to a qualified waste disposal company in accordance with local/regional/national/international regulations.

Other Hazards: See Section 11 for health effects. See Section 12 for environmental effects.

3) COMPOSITION/INFORMATION ON INGREDIENTS

| <u>COMPONENT NAME</u> | <u>CAS NUMBER</u> | <u>Concentration (% by wt)</u> |
|--|-------------------|--------------------------------|
| Silicones and siloxanes, di-methyl reaction products with silica | 67762-90-7 | (Total) |

Other Comments: None

4) FIRST AID MEASURES**First aid measures:**

Eye: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists

Inhalation: In case product dust is released: Possible discomfort via coughing and sneezing. Remove to fresh air.

Oral: If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

Most important symptoms/effects: Irritation to the lungs

Notes to physician: Treat symptomatically No hazards which require special first aid measures

5) FIRE FIGHTING MEASURES

Flammability assessment: Not Flammable

Unsuitable extinguishing media: None

Specific firefighting measures: All extinguishing methods are that are suitable for surround conditions

Specific hazards during firefighting: None known

Special protective equipment and Precautions for firefighters: As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6) ACCIDENTAL RELEASE MEASURES

AMSi™ 708**Personal precautions, protective equipment and emergency procedures:**

Wear personal protective equipment. See section 8.

Methods and materials for containment and cleaning up:

Sweep up and dispose of in accordance with all applicable Local, State or Federal regulations

7) HANDLING AND STORAGE**Precautions for safe handling:**

Use with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage:

Keep container closed in a dry, cool place when not in use.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

| EXPOSURE LIMITS | | | | | | | | |
|-------------------|-------------|-----------------------|----------------------|---------------------|-----------------------|-----------|--|------|
| Component | CAS # | OSHA PEL | | ACGIH TLV | | NIOSH REL | | FORM |
| | | TWA | CEILING | TWA | STEL | | | |
| Silica, Amorphous | 112926-00-8 | 0.8 mg/m ³ | 20 mppcf | | | | | |
| Dust | | 5 mg/m ³ | 10 mg/m ³ | 3 mg/m ³ | 10 mg/mg ³ | | | Dust |

Engineering Controls:

Local Ventilation: Provide adequate exhaust ventilation to keep dust concentration below occupational exposure guidelines. (3mg/m³).

General Ventilation: Recommended

Personal Protective Equipment for Routine Handling and Spills:

Eyes: Wear safety glasses with side shields (or goggles) and a face shield.

Skin: The glove(s) listed below may provide protection against permeation.

Suitable Gloves: rubber, leather, latex, nitrile

Inhalation/Suitable Respirator: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. Niosh's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

AMSi™ 708

Precautionary Measures: Wash hands before eating or smoking. Remove contaminated clothing and wash before reuse.

9) PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|--------------------|----------------------------|
| Flash Point: | | NA |
| Flammability Limits in Air: | Lower | NA |
| Limit | Upper Limit | NA |
| Auto-ignition Temperature: | | NA |
| Decomposition Temperature: | | NA |
| Flammability: | | Not Flammable |
| Appearance: | | White Powder |
| Odor: | | NA |
| Odor Threshold: | | NA |
| pH (5.0 % in 50/50 IPA/Water @ 25°C): | | 8.0-10.0 |
| Melting/Freezing Point: | | NA |
| Boiling Point: | | NA |
| Evaporation Rate: | | NA |
| Viscosity @ 25°C: | | Free flowing powder |
| Volatile Organic %: | | NA |
| Vapor Pressure: | | Nil |
| Vapor Density (Air=): | | NA |
| Bulk Density @ 25°C: | | 50 g/l |
| Relative Density @ 25°C: | | 2 g/cm ³ @ 20 C |
| Solubility in Water: | | Insoluble |
| Partition Coefficient (n-octanol/water): | | NA |

The Physical data presented here are representative values, as the actual product's values may vary slightly.

10) STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity: | Not expected under normal conditions |
| Chemical stability: | Stable |
| Possibility of hazardous reactions: | Will not occur under normal conditions |
| Conditions to avoid: | With temperatures >300 C hydrophobicity is lost |
| Incompatible materials: | None known |
| Hazardous decomposition products: | Carbon monoxide, Carbon dioxide, formaldehyde |

11) TOXICOLOGICAL INFORMATION

AMSi™ 708

Acute Toxicity:

| | |
|--|--|
| Oral: | LD50 Rat: >1000 mg/kg |
| Dermal: | LD50 Rat: >2000 mg/kg |
| Inhalation: | None known |
| Skin corrosion/irritation: | Rabbit: Not irritating |
| Serious eye damage/irritation: | Rabbit: Not irritating |
| Respiratory sensitization: | Silicosis or other product specific illness or the respiratory tract have not been reported. |
| Skin sensitization: | Not expected |
| Specific Target Organ Toxicity (single exposure): | None known |
| Aspiration hazard: | Silicosis or other product specific illness or the respiratory tract has not been reported. |

Chronic Effects: No hazard in normal industrial use.

| | |
|--|------------|
| Germ cell mutagenicity: | Negative |
| Carcinogenicity: | None known |
| Reproductive toxicity: | None known |
| Specific Target Organ Toxicity (repeated exposure): | None known |

Likely Routes of Exposure/Symptoms:

| | |
|--------------------|---|
| Eye: | May cause eye irritation |
| Skin: | Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). |
| Inhalation: | Prolonged inhalation may cause irritations of the respiratory tract. |
| Oral: | No hazard expected in normal use. |

12) ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to fish:

AMSi™ 708

LC50 (Brachrdanio reio): >10000 mg/l /96 hr. OECD 203

Toxicity to daphnia:

EC50 Daphnia magna: >10000 mg/l /24 hr. OECD 202

| | |
|---------------------------------------|---|
| Persistence and degradability: | Material will degrade into the surrounding environment and be indistinguishable from soil components. |
| Bioaccumulative potential: | Not expected |
| Mobility in soil: | Not determined |
| Other adverse effects: | None known |

13) DISPOSAL CONSIDERATIONS**Disposal considerations:**

Dispose as dry waste in accordance with all local, state and federal regulations.

Empty container warnings:

Dispose of all containers in accordance with all local, state and federal regulations.

14) TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101): Not regulated by DOT, IMDG, ICAO or IATA.

UN Number:

DOT Proper Shipping Name:

DOT Technical Name:

DOT Hazard Class(es):

DOT Packing Group:

Marine Pollutant:

Air Shipment (IATA): Not regulated by DOT, IMDG, ICAO or IATA.

Ocean Shipment (IMDG): Not regulated by DOT, IMDG, ICAO or IATA.

Transport in bulk: Not regulated by DOT, IMDG, ICAO or IATA.

Special precautions: None

AMSi™ 708

15) REGULATORY INFORMATION**International Chemical Inventory Status:**

USA (TSCA): Components of this product are listed
DSL Components of this product are listed
EINICS Components of this product are listed
AICS Components of this product are listed
Canada WMIS This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings
Canada WMIS Class Not a WHMIS control material.

EPA SARA Title III Chemical Listings:**Section 302 Extremely Hazardous Substances:**

| Component Name | CAS Number | wt % | Hazard |
|----------------|------------|------|--------|
| None | | | |

Section 304 CERCLA Hazardous Substances:

| Component Name | CAS Number | wt% | Reportable Quantity (#) |
|----------------|------------|-----|-------------------------|
| None | | | |

Section 312 Hazard Class:

Acute: Yes No
 Chronic: Yes No
 Fire: Yes No
 Pressure: Yes No
 Reactivity: Yes No

Section 313 Toxic Chemicals: Only chemicals which exceed the reporting threshold are included below:

| Component Name | CAS Number | wt% |
|----------------|------------|-----|
| None | | |

Other Regulatory Concerns:**State right to know:**

| Components | CAS Number | CA Prop 65 | NJ | PA | MA |
|------------|------------|------------|----|----|----|
| None | | | | | |

16) - OTHER INFORMATION

Revision date: 10 February 2021
Reason for change: Document Review

AMSi™ 708

Revised by: MJ
Reviewed by: MC
Approval date: 10 February 2021
Version: 2

| | Health | Fire | Reactivity | Special |
|-------|--------|------|------------|---------|
| HMIS: | 1 | 0 | 0 | |

Note: HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the SDS must be considered.

HMIS = Hazardous Material Information System

***Chronic effect**

Disclaimer: This safety data sheet (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgement. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.