

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

**Issuing Date** 23-Apr-2019

**Revision date** 23-Apr-2019

**Review Date** 3-May-2024  
**Revision Number** 1

## 1. Identification

### Product identifier

**Product Name** Acti-Gel 208® / Acti-Plex®

### Other means of identification

**Synonyms** Hydrated Magnesium Aluminosilicate; Palygorskite; Fuller's Earth

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

**Recommended use** Fillers; Rheological additive; Binder

**Restrictions on use** For industrial use only.

### Details of the supplier of the safety data sheet

#### Supplier Address

Active Minerals International, LLC  
34 Loveton Circle  
Suite 100  
Sparks, MD 21152  
USA  
410-825-2920

### Emergency telephone number

**Emergency Telephone** 01-800-099-0731

## 2. Hazard(s) identification

### Classification

|                                                    |             |
|----------------------------------------------------|-------------|
| Carcinogenicity                                    | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 2  |

### Label elements

#### **Danger**

#### **Hazard statements**

May cause cancer

May cause damage to organs through prolonged or repeated exposure



**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing  
Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store in accordance with local regulations

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture****Synonyms**

Hydrated Magnesium Aluminosilicate; Palygorskite; Fuller's Earth.

| Chemical name | CAS No     | Weight-% | Hazardous Material<br>Information Review<br>Act registry number<br>(HMIRA registry #) | Date HMIRA filed and<br>date exemption<br>granted (if<br>applicable) |
|---------------|------------|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Attapulgate   | 12174-11-7 | 97       | -                                                                                     | -                                                                    |
| Quartz        | 14808-60-7 | 3        | -                                                                                     | -                                                                    |

**4. First-aid measures****Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact**

Wash skin with soap and water.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed****Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** None.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store away from incompatible materials.

**8. Exposure controls/personal protection****Control parameters**

**Exposure Limits**

| Chemical name            |  | ACGIH TLV                                                  |  | OSHA PEL                                                                                                                                                                                                                             |  | NIOSH IDLH                                                                                |  |                            |  |
|--------------------------|--|------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|--|----------------------------|--|
| Attapulgit<br>12174-11-7 |  | TWA: 1 mg/m <sup>3</sup> respirable particulate matter     |  | -                                                                                                                                                                                                                                    |  | -                                                                                         |  |                            |  |
| Quartz<br>14808-60-7     |  | TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter |  | TWA: 50 µg/m <sup>3</sup><br>(vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust<br>: (250)/(%SiO <sub>2</sub> + 5) mppcf<br>TWA respirable fraction<br>: (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup><br>TWA respirable fraction |  | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust |  |                            |  |
| Chemical name            |  | Alberta                                                    |  | British Columbia                                                                                                                                                                                                                     |  | Ontario                                                                                   |  | Quebec                     |  |
| Attapulgit<br>12174-11-7 |  |                                                            |  | TWA: 1.0 mg/m <sup>3</sup>                                                                                                                                                                                                           |  | TWA: 1 mg/m <sup>3</sup>                                                                  |  | TWA: 1 fibre/cm3           |  |
| Quartz<br>14808-60-7     |  | TWA: 0.025 mg/m <sup>3</sup>                               |  | TWA: 0.025 mg/m <sup>3</sup>                                                                                                                                                                                                         |  | TWA: 0.10 mg/m <sup>3</sup>                                                               |  | TWA: 0.1 mg/m <sup>3</sup> |  |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
                                                          Eyewash stations  
                                                          Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      No special protective equipment required.

**Hand protection**                              Wear suitable gloves.

**Skin and body protection**                      Wear suitable protective clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls**                      Avoid release to the environment.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Appearance**                                      Powder  
**Physical state**                                      Solid  
**Color**                                                  yellowish brown to gray  
**Odor**                                                  No information available  
**Odor threshold**                                      No information available

| <u>Property</u>                | <u>Values</u>     | <u>Remarks • Method</u> |
|--------------------------------|-------------------|-------------------------|
| pH                             | No data available | None known              |
| Melting point / freezing point | No data available | None known              |
| Boiling point / boiling range  | No data available | None known              |
| Flash point                    | No data available | None known              |
| Evaporation rate               | No data available | None known              |
| Flammability (solid, gas)      | No data available | None known              |
| Flammability Limit in Air      |                   | None known              |

|                                        |                   |            |
|----------------------------------------|-------------------|------------|
| Upper flammability or explosive limits | No data available |            |
| Lower flammability or explosive limits | No data available |            |
| Vapor pressure                         | No data available | None known |
| Vapor density                          | No data available | None known |
| Relative density                       | 2.6               |            |
| Water solubility                       | partially soluble |            |
| Solubility(ies)                        | No data available | None known |
| Partition coefficient                  | No data available | None known |
| Autoignition temperature               | No data available | None known |
| Decomposition temperature              | No data available | None known |
| Kinematic viscosity                    | No data available | None known |
| Dynamic viscosity                      | No data available | None known |

**Other information**

|                      |                          |
|----------------------|--------------------------|
| Explosive properties | Not applicable.          |
| Oxidizing properties | Not applicable.          |
| Softening point      | No information available |
| Molecular weight     | No information available |
| VOC Content (%)      | No information available |
| Liquid Density       | No information available |
| Bulk density         | No information available |

**10. Stability and reactivity**

|                                    |                                                             |
|------------------------------------|-------------------------------------------------------------|
| Reactivity                         | No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | Stable under normal conditions.                             |
| Possibility of hazardous reactions | None under normal processing.                               |
| Conditions to avoid                | Dust formation. Incompatible materials.                     |
| Incompatible materials             | Hydrofluoric acid.                                          |
| Hazardous decomposition products   | None known.                                                 |

**11. Toxicological information****Information on likely routes of exposure****Product Information**

|              |                                                                          |
|--------------|--------------------------------------------------------------------------|
| Inhalation   | May cause irritation of respiratory tract.                               |
| Eye contact  | Dust contact with the eyes can lead to mechanical irritation.            |
| Skin contact | Contact with dust can cause mechanical irritation or drying of the skin. |
| Ingestion    | May cause irritation.                                                    |

**Symptoms related to the physical, chemical and toxicological characteristics**

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

**Acute toxicity****Numerical measures of toxicity**

No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                          |                                                                                                                     |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | No information available.                                                                                           |
| <b>Serious eye damage/eye irritation</b> | No information available.                                                                                           |
| <b>Respiratory or skin sensitization</b> | No information available.                                                                                           |
| <b>Germ cell mutagenicity</b>            | No information available.                                                                                           |
| <b>Carcinogenicity</b>                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. |

**Product Information**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name            | ACGIH | IARC                  | NTP   | OSHA |
|--------------------------|-------|-----------------------|-------|------|
| Attapulgit<br>12174-11-7 | -     | Group 3 (< 5 microns) | -     | X    |
| Quartz<br>14808-60-7     | A2    | Group 1               | Known | X    |

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| <b>Reproductive toxicity</b>    | No information available.                                          |
| <b>STOT - single exposure</b>   | No information available.                                          |
| <b>STOT - repeated exposure</b> | May cause damage to organs through prolonged or repeated exposure. |
| <b>Target organ effects</b>     | Respiratory system.                                                |
| <b>Aspiration hazard</b>        | No information available.                                          |

**12. Ecological information**

|                                      |                                                                           |
|--------------------------------------|---------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | The environmental impact of this product has not been fully investigated. |
| <b>Persistence and degradability</b> | Not readily biodegradable.                                                |
| <b>Bioaccumulation</b>               | No information available.                                                 |
| <b>Mobility in soil</b>              | No information available.                                                 |
| <b>Mobility</b>                      | Insoluble in water.                                                       |
| <b>Other adverse effects</b>         | No information available.                                                 |

**13. Disposal considerations**

**Waste treatment methods**

|                                            |                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.                                                                                  |

**14. Transport information**

|                    |               |
|--------------------|---------------|
| <b><u>DOT</u></b>  | Not regulated |
| <b><u>TDG</u></b>  | Not regulated |
| <b><u>MEX</u></b>  | Not regulated |
| <b><u>IATA</u></b> | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>TSCA</b>          | All components are listed on the TSCA Inventory. |
| <b>DSL/NDSL</b>      | Complies.                                        |
| <b>EINECS/ELINCS</b> | Complies.                                        |
| <b>ENCS</b>          | Complies.                                        |
| <b>IECSC</b>         | Complies.                                        |
| <b>KECL</b>          | Complies.                                        |
| <b>PICCS</b>         | Complies.                                        |
| <b>AICS</b>          | Complies.                                        |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical name       | California Proposition 65 |
|---------------------|---------------------------|
| Quartz - 14808-60-7 | Carcinogen                |

#### **U.S. State Right-to-Know Regulations**

##### **US State Regulations**

| Chemical name        | New Jersey | Massachusetts | Pennsylvania |
|----------------------|------------|---------------|--------------|
| Quartz<br>14808-60-7 | X          | X             | X            |

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## **16. Other information**

|                    |                          |                       |                           |                                           |
|--------------------|--------------------------|-----------------------|---------------------------|-------------------------------------------|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 1  | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Physical and chemical properties</b> - |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 1* | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X              |

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

##### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

#### **Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal

Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**