

# SAFETY DATA SHEET

Revision date 2015-10-09

Revision number 1.02

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** META-KAOLIN

### Other means of identification

**Product code** 3204E  
**Synonyms** Aluminum Silicate

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

**Recommended use [RU]** No information available  
**Uses advised against** No information available

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

**Supplier** GEO Specialty Chemicals, Inc.  
9213 Arch Street Pike  
Little Rock, AR 72206  
+1-800-453-2586  
Hours: Monday-Friday 9:00-5:00 CST (Central Standard Time)

**Contact Point** safety-data-sheet-fp@geosc.com

### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC: (800) 424-9300  
Outside USA - +1 (703) 527-3887 collect calls accepted

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### GHS Label elements, including precautionary statements

#### EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Physical state	Color	Appearance	Odor
solid	tan to gray	granules	odorless

**Other information**

- Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	weight-%	TRADE SECRET
Kaolinite	1318-74-7	99%	*

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First Aid Measures****Eye contact**

Remove contact lenses, if worn. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Get medical attention if irritation develops and persists.

**Skin contact**

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Ingestion**

Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

**Inhalation**

If not breathing, give artificial respiration. Seek immediate medical attention. Remove to fresh air. If breathing is difficult, give oxygen. Blow nose to evacuate dust and drink water to clear throat.

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

Possible eye, skin and respiratory tract irritation.

**Chronic effects**

Possible lung injury on chronic inhalation of dust. Breathing of dust may aggravate acute or chronic asthma and other chronic pulmonary diseases. Granuloma of the stomach has been reported from the use of kaolin. Occupationally inhaled kaolin produces pulmonary fibrosis.

**Aggravated Medical Conditions**

Existing skin, eye and lung conditions.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

**Suitable extinguishing media**

Not combustible. Use appropriate extinguishing media for material that is supplying fuel. Use water spray to cool the surrounding area and maintain fire temperature below decomposition temperature.

**Extinguishing media which must not be used for safety reasons**

No information available.

### Special hazards arising from the substance or mixture

**Special Hazard**

Aluminum fumes may be produced under extreme fire conditions.

### Advice for firefighters

**Firefighting measures**

Non-combustible material. Extinguish fire by using the appropriate agent for type of material that is supplying the fuel in the surrounding fire or use dry chemical, dry sand or carbon dioxide.

**Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

### Explosion data

**Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Wear suitable protective clothing and gloves.

### Environmental precautions

**Environmental precautions**

Avoid runoff to waterways and sewers.

### 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**

Shovel up spills and store in labeled waste containers for disposal. Use with adequate ventilation where dust may be generated. Avoid dust formation. Stand upwind if possible. Residual spillage that cannot be removed by shovelling should be cleaned up from hard surfaces as appropriate.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on safe handling**

Avoid creating dust  
Minimize dust generation and accumulation  
Stand upwind if possible.  
Do not get in eyes, on skin, or on clothing  
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.  
Wash thoroughly after handling  
Take off contaminated clothing and wash before reuse  
Contaminated work clothing should not be allowed out of the workplace  
Do not take internally

### Conditions for safe storage, including any incompatibilities

#### **Technical measures and storage conditions**

Store in a dry place

#### **Incompatible products**

None anticipated.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

#### **Engineering controls**

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

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

#### **Eye/face Protection**

Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

#### **Hand Protection**

Appropriate chemical resistant gloves should be worn.

#### **Skin and body protection**

Standard work clothing and work shoes.

#### **Respiratory protection**

If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

#### **Other personal protection data**

Eyewash fountains and safety showers must be easily accessible.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	solid
Color	tan to gray
Appearance	granules
Odor	odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	No information available	No information available
Melting / freezing point	No information available	No information available
Boiling point / boiling range	No information available	No information available
Flash point	Not combustible	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	Not applicable	No information available
Flammability Limit in Air		
Upper flammability limit	No information available	No information available
Lower flammability limit	No information available	No information available
Vapor pressure	No information available	No information available
Vapor density	No information available	No information available
Specific gravity	No information available	No information available
Solubility (water)	insoluble	No information available
Solubility in other solvents	No information available	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available	No information available
Kinematic viscosity	No information available	No information available
Dynamic viscosity	No information available	No information available

### Other information

Density	No information available
Bulk Density	2.0 - 3.0 g/cm <sup>3</sup>
Explosive properties	No information available.
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
Volatile organic compounds (VOCs) content	No information available
Percent Volatile, wt. %	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

**Reactivity**

No data available.

### Chemical stability

**Chemical stability**

Stable.

### Possibility of hazardous reactions

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Not anticipated under normal or recommended handling and storage conditions.

### Conditions to avoid

**Conditions to avoid**

None known

### Incompatible materials

**Materials to avoid**

None anticipated.

### Hazardous decomposition products

**Hazardous decomposition products**

None anticipated under normal conditions of use. This product will not decompose except under the most severe fire conditions with the possible generation of aluminum fumes.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Eye contact**

Dust may irritate eyes. Causes redness and tearing.

**Skin contact**

Mild skin irritation.

**Ingestion**

This material may be a slight health hazard if ingested in large quantities.

**Inhalation**

Inhalation of dust may cause irritation of the respiratory system.

### Acute toxicity - Product Information

**Oral LD50**

No information available

**Dermal LD50**

No information available

**Inhalation LC50**

No information available

### Information on toxicological effects

**Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Mild skin irritation

**Serious eye damage/eye irritation**

Mild eye irritation

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

**Reproductive toxicity**

No information available

**Specific target organ toxicity - Single exposure**

No information available.

**Specific target organ toxicity - Repeated exposure**

No information available

**Aspiration hazard**

No information available.

**Other information**

Conclusions are drawn from sources other than direct testing.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity****Acute aquatic toxicity - Product Information**

<b>Fish</b>	No information available
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<b>Crustacea</b>	No information available
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<b>Algae/aquatic plants</b>	No information available
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**Persistence and degradability****Persistence and degradability**

No information available

**Bioaccumulative potential****Bioaccumulative potential**

No information available.

**Mobility**

**Mobility**

No information available

**Results of PBT and vPvB assessment****PBT and vPvB assessment**

No information available

**Other adverse effects****Other information**

No other ecological studies have been carried out on this product.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

**Contaminated packaging**

Since empty containers retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**ICAO/IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION****International Inventories****TSCA (United States)**

All ingredients are on the inventory or exempt from listing

**Australia (AICS)**

All ingredients are on the inventory or exempt from listing

**Canada (DSL)**

Some ingredients are not on the inventory.

**Canada (NDSL)**

Some ingredients are on the inventory.

**China (IECSC)**

All ingredients are on the inventory or exempt from listing

**EINECS (European Inventory of Existing Chemical Substances)**

All ingredients are on the inventory or exempt from listing



**ELINCS (European List of Notified Chemical Substances)**

None of the ingredients are on the inventory.

**ENCS (Japan)**

Some ingredients are not on the inventory.

**South Korea (KECL)**

All ingredients are on the inventory or exempt from listing

**Philippines (PICCS)**

All ingredients are on the inventory or exempt from listing

**Legend**

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

**AICS** - Australian Inventory of Chemical Substances

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

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

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

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

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

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

**U.S. Federal Regulations****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.

**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).

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

**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.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations

**16. OTHER INFORMATION**

<b>NFPA Rating</b>	Health - 1	Flammability - 0	Instability - 0	Special Hazard -
<b>HMIS Rating</b>	Health - 1	Flammability - 0	Physical hazard - 0	Personal protection - B
<b>Product code</b>	3204E			

**Revision date** 2015-10-09

**Revision number** 1.02

**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**