

Issue date: 4/12/2023

Reviewed on: 12/15/2025

1: Identification

Product identifier

Trade name Slurry Products - Kaocal, Kaocal 50

Other means of identification

CAS Number 92704-41-1

Synonyms No information available.

Recommended use of the chemical and restrictions on use No further relevant information available.

Product description

Mineral pigment, or filler primarily used in paper, paper coating, paints, rubber and plastic formulations.

Manufacturer/Importer/Supplier/Distributor information

Thiele Kaolin Company
520 Kaolin Road
P.O. Box 1056
Sandersville, Georgia 31082 U.S.A.
(478) 552-3951

Email

SafetyDataSheet@thielekaolin.com

Website

Thielekaolin.com

Emergency phone number

Contact Person

Regulatory Administrator

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC
+1 703-741-5971 / 1-800-424-9300 CCN 1010246

2: Hazard(s) identification

Classification of the substance or mixture in accordance with paragraph (d)(1)(i) of Sec. 1910.1200.

The product is not hazardous according to OSHA HazCom Standard 29 CFR paragraph (d)(1)(i) of Sec. 1910.1200 and GHS Rev 07.

GHS classification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

GHS label elements

Hazard pictograms Non-Regulated Material.

Signal word Non-Regulated Material.

Hazard statements Non-Regulated Material.

Precautionary statements Non-Regulated Material.

Hazards classified under paragraph (d)(1)(ii) of Sec. 1910.1200.

No information available.

Hazard(s) not otherwise Classified (HNOC)

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None known.

Ingredients(s) with Unknown Acute Toxicity in the mixture at a concentration $\geq 1\%$

No information available.

3: Composition/information on ingredients

Substance

| <u>No</u> | <u>Chemical name</u> | <u>CAS number</u> | <u>%</u> |
|-----------|----------------------|-------------------|----------|
| 1 | Calcined Kaolin | 92704-41-1 | >99 |

Crystalline silica (quartz) is present as a naturally occurring impurity in this product. Hazard classifications associated with crystalline silica are related to inhalation of respirable dust particles that may be generated during processing, handling, or use. Precautionary measures should be taken to eliminate exposure to dusts.

4: First-aid measures

Description of first aid measures

Inhalation Supply fresh air; consult doctor in case of complaints.
Ingestion If large quantities are ingested, seek medical advice.
Skin contact Wash with soap and water.
Eye contact Rinse opened eye for several minutes under running water.

Most important symptoms/effects, both acute and delayed

No further relevant information available.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information No special measures required.

5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media None known.

Special hazards arising from the substance or mixture Non-combustible, substance itself does not burn.

Special protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Product is slippery when spilled.

Methods and materials for containment and

Ensure adequate ventilation. Absorb with liquid-binding material

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cleaning up

(i.e., sand, diatomite, acid binders, universal binders, sawdust).
Do not allow to enter sewers/ surface or ground water.
Dispose contaminated material as waste according to section 13.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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

Ensure good ventilation/exhaustion at the workplace. Avoid prolonged or repeated exposure.

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

Store in a cool, dry place. Store in a well-ventilated place.

Incompatible materials

None known.

8: Exposure controls/personal protection**Control parameters****Occupational exposure limits**

No exposure limits have been published for calcined kaolin products. We recommend using the limits published for Kaolin (CAS# 1332-58-7).

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

None of the ingredients in this product is listed.

| US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) | | |
|--|-------------|--|
| Components | Type | Value |
| Kaolin (CAS# 1332-58-7) | TWA | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |

US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the ingredients in this product is listed.

US. OSHA Table Z-3 (29 CFR 1910.1000)

None of the ingredients in this product is listed.

| US. ACGIH Threshold Limit Values | | |
|---|-------------|---|
| Components | Type | Value |
| Kaolin (CAS# 1332-58-7) | TWA (TLV) | 2 mg/m ³ (no asbestos and < 1% crystalline silica) (respirable fraction) |

| US. NIOSH: Pocket Guide to Chemical Hazards | | |
|--|-------------|--|
| Components | Type | Value |
| Kaolin (CAS# 1332-58-7) | TWA (REL) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |

Additional information: The lists that were valid during the creation of this SDS were used as basis.

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Protective equipment



Appropriate engineering controls

No information available.

Respiratory equipment

Not required.

Hand protection

Wear protective gloves.

Eye protection

Wear safety glasses.

Other protection

Wear appropriate clothing to prevent any possibility of skin contact.

General hygiene considerations

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work.

9: Physical and chemical properties

Physical state

Slurry.

Color

White.

Odor (includes odor threshold)

Odorless (Not determined).

Melting point/freezing point

1760 °C (3200 °F)

Boiling point (or initial boiling point or boiling range)

Not determined.

Flammability

Product is not flammable.

Danger of explosion

Product does not present an explosion hazard.

Lower explosion limit/flammability limit

Not determined.

Upper explosion limit/flammability limit

Not determined.

Flash point

Not applicable.

Ignition temperature

Not determined.

Auto-ignition temperature

Product is not self-igniting.

Decomposition temperature

Not determined.

pH

7-8

Kinematic viscosity

Not determined.

Solubility (Water)

Insoluble.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapor pressure (includes evaporation rate)

Not determined.

Density and/or relative density @ 20 °C (68 °F)

2.74 g/cm³ (22.865 lbs/gal)

Relative vapor density

Not determined.

Particle characteristics

No information available.

Percent solids by Wt

99.0 %

Other information

No further relevant information available.

10: Stability and reactivity

Reactivity

No further relevant information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions, including those associated with foreseeable emergencies

No dangerous reactions known.

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| | |
|---|---|
| Conditions to avoid | No decomposition if used according to specifications. |
| Incompatible materials | None known. |
| Hazardous decomposition products | No dangerous decomposition products known. |

11: Toxicological information**Information on likely routes of exposure**

Ingestion No information available.

Inhalation No information available.

Skin contact Mild irritant effect.

Eye contact Mild irritant effect.

Symptoms related to the physical, chemical and toxicological characteristics No information available.

Delayed and immediate effects and also chronic effects from short- and long-term exposure No information available.

Numerical measures of toxicity

No information available for calcined kaolin products. For completeness, including information published for Kaolin (CAS# 1332-58-7).

| Components | Test | Species | Test Results |
|------------------------|-------------------------|---------|--------------|
| Kaolin (CAS#1332-58-7) | Oral LD ₅₀ | Rat | >5000 mg/kg |
| | Dermal LD ₅₀ | Rat | >5000 mg/kg |

Interactive effects

No information available.

Acute toxicity No information available.

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization

Respiratory sensitization No information available.

Skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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.

Additional toxicological information

The product is not subject to classification according to internally approved calculation methods for preparations. When used or handled in a manner that does not result in the generation of dust, the product does not pose a hazard. Precautionary and protective measures should be taken nonetheless.

12: Ecological information

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| | |
|-------------------------------|--|
| Ecotoxicity | Not known to be hazardous to water. |
| Persistence and degradability | No further relevant information available. |
| Bioaccumulative potential | No further relevant information available. |
| Mobility in soil | No further relevant information available. |
| Other adverse effects | No further relevant information available. |

13: Disposal considerations

| | |
|---------------------------|--|
| Disposal instructions | Must not be disposed of together with household garbage. Do not allow product to reach sewage system. |
| Contaminated packaging | Dispose of contents/container in accordance with local, regional, national, and international regulations. |
| Additional Information | Use water in addition to cleansing agents. Continue to observe all precautions. |
| Ecology - Waste Materials | Avoid release to the environment. |

14: Transport information

| | |
|---|-------------------------|
| UN number (DOT, ADN, IMDG, IATA, ADR) | Non-Regulated Material. |
| UN proper shipping name (DOT, ADN, IMDG, IATA, ADR) | Non-Regulated Material. |
| Transport hazard class(es) (DOT, ADN, IMDG, IATA, ADR) | Non-Regulated Material. |
| Packing group (DOT, ADN, IMDG, IATA, ADR) | Non-Regulated Material. |
| Environmental hazards | Not applicable. |
| Transport in bulk according to IMO instruments | Not applicable. |
| Special precautions for user | Not applicable. |

15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances)

None of the ingredients are listed.

Section 313 (TRI reporting)

None of the ingredients are listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.

California Proposition 65



WARNING: Because the raw materials for our products come from the earth, our products may contain titanium dioxide and trace amounts of naturally-occurring crystalline silica and heavy metals found on the Prop 65 list including antimony, arsenic, beryllium, cadmium, cobalt, lead, nickel, vanadium, mercury, and hexavalent chromium, which are

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present at levels far below those covered by the Hazard Communication Standard. For more information, go to www.P65Warnings.ca.gov.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

State Right to Know-RTK (Listed substances)

None of the ingredients are listed.

16: Other information

Information Sources

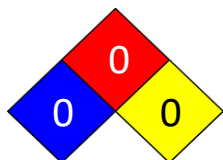
OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 07.

Date of preparation / last revision 12/15/2025

Revision 5

Classification system

National Fire Protection Association (NFPA) Classification system - NFPA ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

Hazardous Materials Identification System (HMIS) - ratings (scale 0 - 4)



Health = 0

Flammability = 0

Reactivity = 0

The “*” represents a chronic hazard, while the “/” represents the absence of a chronic hazard.

Abbreviations and acronyms

- ACGIH : American Conference of Governmental Industrial Hygienists
- ADR : The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN : The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- AIIC : Australian Inventory of Industrial Chemicals
- CAS : Chemical Abstracts Service (division of the American Chemical Society)
- DSL : Domestic Substances List
- DOT : US Department of Transportation
- ECL : Korea Existing Chemicals List
- EINECS : European inventory of Existing Commercial chemical Substances
- ELINCS : European List of Notified Chemical Substances

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| | |
|--------------|---|
| ENCS | : Existing and New Chemical Substances Inventory |
| HMIS | : Hazardous Materials Identification System (USA) |
| IATA | : International Air Transport Association |
| IECSC | : Inventory of Existing Chemical Substances in China |
| IMDG | : International Maritime Code for Dangerous Goods |
| NDSL | : Non-domestic Substance List |
| NFPA | : National Fire Protection Association (USA) |
| NLP | : No-longer Polymers |
| NZIoC | : New Zealand Inventory of Chemicals |
| PICCS | : Philippine Inventory of Chemicals and Chemical Substances |
| TCSI | : Taiwan Chemical Substance Inventory |

Disclaimer

The information contained herein is believed to be true and accurate and is intended to meet the globally harmonized version of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, adopted on May 20, 2024. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, by Thiele Kaolin Company. Therefore, Thiele Kaolin Company neither makes nor implies any warranty that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. Thiele Kaolin Company cannot anticipate all conditions under which this information and our product, or the products of other manufacturers in combination with our product, may be used. It is the purchaser's/user's responsibility to ensure safe conditions for handling, storage and disposal of the product.