

Issue date: 4/12/2023

Reviewed on: 12/15/2025

1: Identification

Product identifier

Trade name

Slurry Coating Products - Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofine, Kaofine 90, Kaofine 91, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaogloss SPSP, Kaolux HS, Kaomax 300, Kaomax 410, Kaomax 932, Kaowhite C, Kaowhite S , Lopaque M, Printmax, Printmax HS, Kaoflex 918, Kaoflex 1125, Kaocrown 320, Kaoflex 1541, Kaoflex 428, Kaoflex 816, Astra-Cote, Astra-Glaze, Astra-Plate, Astra-Plate 100, Barrisurf FX, Barrisurf HX, Barrisurf LX, Contour 100, Contour 1500, Contour Xtreme, Contour Xtreme HS, DB-Kote 2, E100, E160, E170, E300, E500, E800, KCS, Platinum P, Premier, XP08-6170, Astraplate HS

Other means of identification

CAS Number

1332-58-7

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 coatings, 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.

Trade name: Slurry Coating Products

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)

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

No	Chemical name	CAS number	%
1	Kaolin	1332-58-7	>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. If skin irritation occurs, consult a doctor.
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.

Protective equipment for firefighters As in any fire, wear self-contained breathing apparatus pressure-

Trade name: Slurry Coating Products

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 cleaning up

Ensure adequate ventilation. Absorb with liquid-binding material (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

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)

Trade name: Slurry Coating Products

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.

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

Not determined.

Danger of explosion

Product does not present an explosion hazard.

Lower explosion limit/flammability limit

Not available.

Upper explosion limit/flammability limit

Not available.

Flash point

Not applicable.

Ignition temperature

Not determined.

Auto-ignition temperature

Product is not self-igniting.

Decomposition temperature

550 °C (1022 °F) (Dehydroxylation)

pH

6 - 8 when tested as 20% solids suspension.

Kinematic viscosity

Not determined.

Solubility (Water)

Not determined.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapor pressure (includes evaporation rate)

Not applicable.

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

2.63 g/cm³ (21.947 lbs/gal)

Relative vapor density

Not determined.

Particle characteristics

No information available.

Percent solids by Wt

Varies by product.

Other information

No further relevant information available.

10: Stability and reactivity

Trade name: Slurry Coating Products

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.
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

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.

Trade name: Slurry Coating Products

12: Ecological information

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	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 (Specific toxic chemical listings)

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

Trade name: Slurry Coating Products

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 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.

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)

Massachusetts RTK	None of the ingredients are listed.
New Jersey RTK	Kaolin (CAS#1332-58-7)
Pennsylvania RTK	Kaolin (CAS#1332-58-7)

16: Other information

Information Sources

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

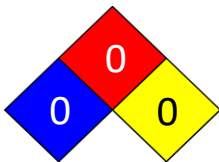
Date of preparation / last revision 12/15/2025

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) Classification 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

Trade name: Slurry Coating Products

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
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.