

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date: 8/24/2018

Reviewed on: 8/24/2018

1. Identification

Product identifier

Trade name Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S, Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

CAS Number No information available.

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

Manufacturer/Supplier 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

Contact Person Andy Crabb

Emergency Telephone 478-552-3951

2. Hazard(s) identification

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS)

Label elements

GHS label elements Non-Regulated Material

Hazard pictograms Non-Regulated Material

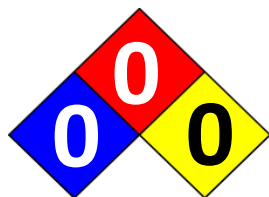
Signal word Non-Regulated Material

Hazard statements Non-Regulated Material

Unknown acute toxicity 99.6 percent of the mixture consists of ingredient(s) of unknown toxicity.

Classification system

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 0
Reactivity = 0

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

HMIS-ratings (scale 0 - 4)

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Health = 0
 Flammability = 0
 Reactivity = 0

Hazard(s) not otherwise Classified (HNOC): None known

3. Composition/information on ingredients

Mixtures:

No	Chemical name	CAS number	%
1	Kaolin	1332-58-7	>99 %

Chemical characterization Mixtures
Description Mixture of substances listed below with nonhazardous additions.
Dangerous Components Non-Regulated Material

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
 Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include coughing. Discomfort in the chest and shortness of breath. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed
 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 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 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.

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Avoid formation of dust.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods and materials for containment and cleaning up	Ensure adequate ventilation. Avoid the formation of dust. Dispose contaminated material as waste according to section 13. Sweep up or vacuum up spillage and collect in suitable container for disposal.
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. Practice good housekeeping to prevent the accumulation of dust in the workplace. Avoid creating and breathing airborne dust. Practice good hygiene: wash hands before eating, drinking or smoking and do not store food, eat or drink in area where chemicals are handled. Avoid prolonged or repeated exposure.
Conditions for safe storage	Store in a cool, dry place. Store in a well ventilated place.
Incompatible materials	None known.
Specific end use(s)	No further relevant information available.

8. Exposure controls/personal protection

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: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

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

Provide general ventilation in processing and storage. Provide local exhaust if necessary to reduce dust levels below acceptable limits.

Respiratory equipment

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

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

Appearance	Off-White, Powder
Color	Off-white
Odor	Odorless
Odor threshold	Not determined.
pH-Value	6 - 8 when tested as 20% solids suspension.
Boiling point/Range	Not determined.
Melting point/Range	1760 °C (3200 °F)
Flash point	Not applicable.
Flammability	Not determined.
Ignition temperature	Not determined.
Decomposition temperature	550 °C (1022 °F) (Dehydroxylation)
Auto igniting	Product is not self-igniting.
Explosive properties	Product does not present an explosion hazard.
Explosion limits	Not available.
Vapor pressure	Not applicable.
Relative density @ 20 °C (68 °F)	2.63 g/cm ³ (21.947 lbs/gal)
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility (Water)	Insoluble.
Partition coefficient Log P o/w (Octanol/Water)	Not determined.
Viscosity	Not applicable.

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

Percent solids by Wt 100.0 %

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 No dangerous reactions known.
 Thermal decomposition/Conditions to avoid No decomposition if used according to specifications.
 Incompatible materials No further relevant information available.
 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

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.

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

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 and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

Numerical measures of toxicity

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.
Results of PBT and vPvB assessment	Not applicable.
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	Disposal must be made according to official regulations. Use water, if necessary with cleansing agents.

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.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes	Not applicable.

15. Regulatory information

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

Sara
Section 355 (extremely hazardous substances)

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

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 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.

TLV (Threshold Limit Value established by ACGIH)

Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

1332-58-7 Kaolin A4

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

None of the ingredients are listed.

GHS label elements

Non-Regulated Material

Hazard pictograms

Non-Regulated Material

Signal word

Non-Regulated Material

Hazard statements

Non-Regulated Material.

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)

CAS#1332-58-7 Kaolin >99 %

International Inventories

Australia - AICS

All ingredients are listed or exempt.

Canada -DSL

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Europe- EINECS

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

All ingredients are listed or exempt.

Japan- ENCS

All ingredients are listed or exempt.

Korea-ECL

All ingredients are listed or exempt.

New Zealand- NZIoC

All ingredients are listed or exempt.

Philippines – PICCS

All ingredients are listed or exempt.

Switzerland - EINECS

All ingredients are existing chemicals on EINECS.

Taiwan - TCSI

All ingredients are listed or exempt.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

Information Sources	OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.
Date of preparation / last revision	8/24/2018
Revision	5

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
AICS	Australian Inventory of Chemical Substances
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
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)

Trade name: Spray Dried Products – Kaobrite, Kaobrite 90, Kaocrown GP, Kaocrown 311, Kaofill, Kaofill HB, Kaofine, Kaofine 90, Kaofine MSP, Kaofine Plus, Kaoflo 230D, Kaogloss, Kaogloss 90, Kaogloss 90W, Kaojet, Kaolux G, Kaolux HS, Kaomax 932, Kaomax HG, Kaovit, Kaowhite, Kaowhite C, Kaowhite S , Printmax, Guang Ze Plus, Kaoflex 918, Kaoflex 1125

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 March 26, 2012. 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.