

Safety data sheet (SDS)

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

Issue date: 2/26/2023

Reviewed on: 2/26/2023

1. Identification

Product identifier

Trade name Calcined Dry: Opamax 16, Opamax 56

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

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 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

The product is not hazardous according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

GHS classification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.

Label elements

GHS label elements Non-Regulated Material.

Hazard pictograms Non-Regulated Material.

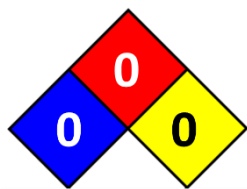
Signal word Non-Regulated Material.

Hazard statements Non-Regulated Material.

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Classification system

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

Health = 0
Flammability = 0
Reactivity = 0

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

3. Composition/information on ingredients

Chemical characterization: Substances

No	Chemical name	CAS number	%
1	Calcined Kaolin	92704-41-1	100

Chemical characterization

Substance

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.

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.

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

No exposure limits have been published for calcined kaolin products. We recommend using the limits published for Kaolin (CAS# 1332-58-7, EC#310-194-1).

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)

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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	Powder.
Color	White.
Odor	Odorless.
Odor threshold	Not determined.
pH-Value	Not applicable.
Boiling point/Range	Not determined.
Melting point/Range	1760 °C (3200 °F)
Flash point	Not applicable.
Flammability (<i>solid, gaseous</i>)	Product is not flammable.
Ignition temperature	Not determined.
Decomposition temperature	Not determined.
Auto igniting	Not determined.
Danger of explosion	Product does not present an explosion hazard.
Explosion limits	Not available.
Lower	Not available.
Upper	Not available.
Vapor pressure	Not applicable.
Relative density @ 20 °C (68 °F)	2.6 -2.75 g/cm ³ (21.697-22.949 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.
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

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

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.

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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)

None of the ingredients are listed.

Section 313 (TRI reporting)

None of the ingredients are listed.

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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

None of the ingredients are listed.

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)

None of the ingredients are listed.

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

All ingredients are listed or exempt.

Japan- ENCS

All ingredients are listed or exempt.

Korea-ECL

All ingredients are listed or exempt.

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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

2/26/2023

Revision

2

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)

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

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