

Safety Data Sheet

Compliant with Regulations (EC) No. 1907/2006 ,
(EC) No 1272/2008 (CLP)

Version 1.11

Revision Date 07 July 2015

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade names	KaMintex®, KaMintex® D, KaMintex® HS
Synonyms	Calcined Clay, China Clay, Anhydrous Aluminum Silicate
Product Use	Mineral Pigment or Filler used primarily in Paper and Paper Coatings Applications
Company	: KaMin LLC 822 Huber Road Macon, Ga. 31217 USA
Telephone	: +1 478 750 5410
Fax	: +1 478 750 5487
E-Mail Address	: Askus@kaminllc.com
Emergency Telephone	: CHEMTREC : +1 703 527 3887

2. HAZARDS IDENTIFICATION

Substance classification: Non-Hazardous, no labeling required*

Signal Word/Pictogram: NONE (non – hazardous)

Hazardous classification

This product does not meet the criteria for classification as hazardous as defined in Regulation EC 1272/2008.

This product could contain trace levels of crystalline silica at levels below 0.1%. Care is recommended when handling to avoid dust generation.

General Advice – In case of doubt or when symptoms persist, seek medical attention

Risk Advice to man and environment

Prolonged exposure may dry skin.

In case of eye contact hold eyelids apart and flush with steady gentle stream of water for several minutes.

If spilled avoid water contamination.

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Avoid breathing dust, wear approved protection if exposure is greater than published exposure limits (see Section 8).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Non-Hazardous Substance

Chemical Name	CAS No.	EC-No.	Classification	Concentration (%)
Calcined Clay*	92704-41-1	296-473-8	Non-hazardous	~100%

*Calcined Kaolin from a naturally occurring material and is exempted from REACH registration under Annex V. Part 7

4. FIRST AID MEASURES

General Advice: In case of doubt or when symptoms persist, seek medical attention.

Inhalation: If exposed to excessive dust, escorting the individual out of the area to an area free of dust is recommended. If symptoms persist seek medical advice.

Eye Contact: Rinse with copious amounts of water and seek medical attention if irritation persists.

Skin Contact: May cause minor irritation or drying of skin if handled without gloves. Wash thoroughly after handling. If irritation persists seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

Specific Hazards arising from the mixture: Non-combustible. No hazardous thermal decomposition. Do not allow run-off from fire fighting to enter drains or waterways.

Specific Protective Fire Fighting Equipment: No specific Fire Fighting Protection is required beyond what would be required for the surrounding fire.

General Advice: Product can create a slip hazard when exposed to water. Use caution around broken bags when these areas have been exposed to water.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid dust formation. In case of insufficient ventilation or exposures above those permitted the use of suitable respiratory equipment in compliance with national legislation is required.

Environmental Precautions: Keep product from entering drains and waterways.

Methods and Materials for containment and cleaning up spills: Collect mechanically or by flushing with water and collecting material. Avoid dry sweeping. Use water spray or ventilated vacuum system to prevent dust formation.

Refer to sections 8 and 13 for additional information.

7. HANDLING and STORAGE

Precautions for Safe Handling: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packages carefully to prevent accidental bursting. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area.

Storage: Store in a dry area. Keep containers closed and protect from physical damage.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Follow workplace regulatory exposure limits for all types of airborne dust. Please check your local regulations for specific limits in your areas.

No exposure limits have been published for calcined kaolin products. It is recommended that limits published for Kaolin (CAS 1332-58-7, EC 310-194-11) are used. These are listed below.

Components	OSHA-TWA	ACGIH TLV TWA
Kaolin	10 mg/m ³	--
Respirable dust	5 mg/m ³	2 mg/m ³
Total dust	15 mg/m ³	10 mg/m ³

TWA: Time Weighted Average

Engineering Controls: Use mechanical ventilation (dilution and local exhaust) to control exposure to dust. Ensure that eyewash stations are close to the workstation location.

Recommended Personal Protective Equipment:

Eye Protection: Safety Glasses with Side Shields

Hand Protection: Work Gloves may be appropriate to prevent irritation due to drying of skin.

Respiratory Protection: In case of exposure to high levels of airborne dust, wear a respirator in compliance with local legislation.

Skin and Body Protection: Use suitable protective clothing, gloves and footwear, selected with regard to use conditions and exposure potential.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure: Keep product from entering drains and waterways. Avoid wind dispersal.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder	Odor: Odorless
Odor Threshold: Not Relevant	pH: 4.0-8.0, 20% water suspension
Relative Density: 2.2-2.6 g/cm ³	Solubility: Insoluble in water/Soluble in strong acid
Vapor Density: No Vapor	Melting Point: > 1700C
Flash Point: Not Flammable	Dust is not explosive (see section 10)

10. STABILITY AND REACTIVITY

Reactivity: Inert, not reactive
Chemical Stability: Chemically stable, no particular incompatibility
Possible Hazardous Reactions: No hazardous reactions
Conditions to avoid: None
Material Incompatible: No particular incompatibility
Hazardous decomposition products: Does not decompose.

*Dust is not explosive. However when used around explosive materials bags should be grounded to prevent any static discharge.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

- (a) Acute toxicity: Based on available data the classification criteria are not met.
- (b) Skin Corrosion/irritant: Based on available data the classification criteria are not met.
- (c) Serious eye damage/irritation: Based on available data the classification criteria are not met.

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- (d) Respiratory or skin sensitization: Based on available data the classification criteria are not met.
- (e) Germ cell mutagenicity: Based on available data the classification criteria are not met.
- (f) Carcinogenicity: Based on available data the classification criteria are not met.
- (g) Reproductive toxicity: Based on available data the classification criteria are not met.
- (h) STOT – single exposure: Based on available data the classification criteria are not met.
- (i) STOT – repeated exposure: Based on available data the classification data are not met.
- (j) Aspiration hazard: Based on available data the classification data are not met.

12. ECOLOGICAL INFORMATION

EcoToxicity: No information available/Not relevant. Naturally occurring mineral that is Generally Regarded as Safe (GRAS).

13. DISPOSAL CONDITIONS

Product: The product should not be allowed to enter drains or waterways. Where possible product should be recycled. Can be disposed of in compliance with local regulations.

This material is not classified as hazardous waste according to Commission Decisions 2000/532/EC and 2001/118/EC

Packaging: Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. TRANSPORT INFORMATION

UN Number or DOT Number: This material is not hazardous as defined under national, international road, rail, sea and air transport regulations.

UN Proper Shipping Name: Does not apply

Transportation hazard class:

ADR: Not Regulated



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IMDG: Not Regulated
ICAO/IATA: Not Regulated
RID: Not Regulated
DOT: Not Regulated

Environmental Hazards: not relevant
Special Precautions for User: No special precautions

15. REGULATORY INFORMATION

Substance is non-hazardous and does not require a hazard label in accordance with EC Directive 1272/2008.

FDA: Kaolin and Calcined Kaolin are classified as GRAS (Generally Regarded as Safe) and is approved for use under 21 CFR 73, 82, 175, 176, 177, 178, 310, 335, 346, 347, and 872.

Europe: These products meet the standards required for use under BFR XXXVI, XXXVI/2, LII and meet the standards for use under 2009/48/EC.

China: This product is approved for use under GB 9685-2008.

Calcined Kaolin (CAS 92704-41-1) is listed on or in compliance with the following inventories.

Europe EINECS	Korea KECI
USA TSCA	Philippines PICCS
Canada DSL	Japan ENCS
China IECSC	New Zealand NZIoC
Australia AICS (CAS 66402-68-4)	Korea ECL

Sara 302: This product does not contain any extremely hazardous substances subject to reporting requirements under 40 CFR Part 355.

Sara 311/312: This product is made from kaolin which is listed by OSHA as an “air contaminant” in Table Z-1 of 29 CFR 1910.1000

SARA 313 Substances: This product does not contain any substances subject to reporting requirements under 40 CFR Part 372.

TSCA: This product is not subject to any export notification requirements.



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16. OTHER INFORMATION

NFPA: Health 0 Flammability: 0 Reactivity: 0
HMIS: Health 0 Flammability: 0 Physical Hazard: 0

Personal Protection: E, Use of safety glasses and the use of appropriate respiratory protection for dusty condition is recommended.

Third Party Materials: Insofar as materials not manufactured or supplied by KaMin LLC are used in conjunction with or instead of KaMin's materials it is the responsibility of the customer himself to obtain from the manufacturer or supplier all technical data and other properties relating to them. No liability can be accepted with respect to the use of the products described in this SDS in conjunction with materials from another supplier.

The material outlined in this SDS is not for use in food, feed or similar applications.

The information provided in this Safety Data Sheet is correct to the best of our knowledge and believed to be accurate and reliable as of the date of its publication. However, no representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Training: Workers must be informed of the possible presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Revised on 07 July to add a product name. Last update prior is 07 December 2013 for GHS compliance and additional information provided under section 15. There have not been any changes to the safety or regulatory status of this product.