

Section 1. Identification of substance and of the Company:

Product Name: 1) Calcined Clay – DELCRO 500

Application: PAINT, PAPER, CERAMICS, RUBBER, PLASTIC AND MARINE CEMENT

Section 2. Composition/Data on components Chemical characterization:

	Cas. Nr.	Einecs Nr.	H.S.Code
Kaolin clay	66402-68-4	--	250700 04

Exposure limits for Hazardous Ingredients:

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Kaolin Clay	15mg/m ³ (total) 5mg/m ³ (respirable)	2 mg/m ³ (res)

Section 3. Hazards identification:

Calcined Kaolin is a nonflammable white granular material. It does not cause burns, skin or eye irritation. A single exposure will not result in serious adverse health effects. Inhalation of high concentrations may cause upper respiratory irritation. Acute exposure is not anticipated. Avoid dust creation. Do not inhale dust from this product. Do not use compressed air or dry sweeping to remove dust from the work area. Use an appropriately equipped vacuum or wet clean-up methods to remove dust.

Potential Health Effects:

A) Inhalation:

a) Kaolinitis : Respirable kaolin can cause kaolinitis, a fibrosis of the lung. Kaolin is less fibrogenic than crystalline silica.

Repeated prolonged inhalation of respirable dust in excess of appropriate exposure limits has caused pneumoconiosis, a lung disease. Not all individuals with pneumoconiosis will exhibit symptoms (signs) of the disease . However pneumoconiosis can be progressive and symptoms

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can appear at any time, even after years after the exposure has ceased. Symptoms of pneumoconiosis may include but are not limited to the following: shortness of breath, difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume.

B) Eye Contact: Direct contact may cause abrasion of the cornea

C) Skin Contact: Prolonged exposure may cause dryness of the skin and irritation.

D) Ingestion: Accidental ingestion may cause blockage & irritation of the digestive tract

Section 4. First Aid measures:

Inhalation : If exposure is in excess of prescribed limits, remove the person immediately to fresh air, give artificial respiration as needed , seek medical attention as needed.

Eye contact: Accidental direct contact with eyes may cause, discomfort due to mechanical irritation. Wash the affected eyes copiously with clean water.

Skin contact: Wash the affected skin copiously with soap & water

If ingested: Have subject drink water. Do not induce vomiting Obtain medical assistance immediately

Section 5 - Fire Fighting Measures:

Physical Hazard: Calcined Kaolin is noncombustible.

Flammable limits in air: Not flammable

Flashpoint: Not flammable

Auto ignition temperature: Not flammable

Extinguishing Agents: Not required

Unusual Fire and explosion Hazards: None known

Sensitivity to static discharge: Not applicable

Section 6 - Accidental Release Measures:

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Spills : Use dustless methods (vacuum) and place into closable container for disposal, or flush small quantities with water with extreme care. Clean up personnel should use appropriate NIOSH / MSHA approved respirators if exposures are expected above the limits. Water should be used with great care as it creates a slipping hazard when mixed with this product. Calcined Kaolin is generally non-toxic to aquatic systems but may cause high turbidity in storm water. Do not dry sweep.

Section 7 - Handling and Storage : Precautions during Handling and use : Do not breathe dust. Use adequate ventilation and dust collection. Keep airborne dust concentrations below PEL. Do not rely on your sight to determine if dust is in the air.

Section 8 - Exposure Controls / Personal Protection:

Local Exhaust: Use sufficient local exhaust to reduce the level of respirable to below the PEL.

Exposure Limits:

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Kaolin Clay	5mg/m ³ (total)	2 mg/m ³ (res)
KT SERIES	5mg/m ³ (respirable)	
	<u>NIOSH REL</u>	
	10 mg/m ³ (total)	
	5mg/m ³ (respirable)	

Engineering Controls: Respirable dust levels should be monitored regularly, dust levels in excess of appropriate exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation, process enclosure and enclosed employee work stations.

Respiratory protection: For respirable dust levels that exceed the limits appropriate approved filter respirators must be worn.

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Section 9 Physical and Chemical Properties:

Appearance: White / cream white powder

Boiling Point: N / A

Vapour Pressure (mm Hg): None

Vapour Density: None

Solubility in Water: Insoluble in water

Odour: None

Specific Gravity: 2.2 –2.60

Melting Point: > 1700 ° C

Evaporation Rate: None

Section 10: Stability and reactivity:

Stability: is stable under normal storage conditions

Incompatibility: None known

Hazardous Decomposition or by products: None known

Hazardous polymerization: Will not occur.

Section 11 - Toxicological Information:

It is not listed as carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicological Program (NTP) or the Occupational Safety and Health Administration (OSHA). The American Conference of Governmental Industrial Hygienists (ACGIH) lists kaolin as Not classifiable as a Human Carcinogen.

Section 12 – Ecological Information:

No adverse ecological effects are expected. May affect turbidity of water if discharged in large quantities to lakes or streams.

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Section 13 – Disposal Considerations:

GENERAL : The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust.

Section 14 - Transport Information:

Calcined Kaolin is not a hazardous material for purposes of transportation.

Section 15 - Regulatory Information:

TSCA No: Calcined Kaolin does not appear in TSCA inventory requirement list.

OSHA: This document based on OSHA communication standard
However please consult applicable local laws

Section 16 Other Information:

Hazardous Material Information system (HMIS)

Health	0 *	potential chronic effects
Flammability	0	non flammable
Reactivity	0	non reactive
Protective Equipment	E **	

- prolonged breathing exceeding permissible limits would affect lung function

** Use NIOSH approved dust mask for dusty conditions.

Department issuing this data sheet: Quality Control Department

File No.: MSDS / EXPRR/CALCINED KAOLIN/KT

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