

SAFETY DATA SHEET

CHINA CLAY

1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the Substance: Processing Aid

Synonyms: Kaolin
CHICLA

Company Identification:
MURPHY & SON LTD.
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2 COMPOSITION/INFORMATION ON SUBSTANCE

Chemical Composition: China clays are refined from naturally occurring materials and consist mainly of kaolinite with small quantities of mica and feldspar and a trace of quartz (respirable crystalline silica content is less than 0.5%)

CAS No.: 1332 - 58 - 7 (Kaolin)
14808 - 60 - 7 (Quartz)

Classification: Not classified

Risk Phrases: None

3 HAZARD IDENTIFICATION

Eye contact: Causes minor irritation

Skin contact: Could cause dryness on prolonged contact

Inhalation: Dust may cause minor irritation. Long term exposure to any respirable mineral dust may cause respiratory problems

Ingestion: Not harmful if swallowed in small quantities

Other Information:

4 FIRST AID MEASURES

Eye contact: Flush eyes with copious quantities of water for at least 15 minutes. OBTAIN MEDICAL ATTENTION

Skin contact: Wash affected area with copious quantities of water for at least 15 minutes. OBTAIN MEDICAL ATTENTION if irritation persists

Inhalation: Remove from exposure to dust. In severe cases OBTAIN MEDICAL ATTENTION

Ingestion: Wash out mouth with water and give water to drink. In severe cases OBTAIN MEDICAL ATTENTION

5 FIRE FIGHTING MEASURES

This product is non-flammable

Suitable Extinguishing Media: Water, dry chemical or carbon dioxide, dependent upon surrounding fire conditions

Unsuitable Extinguishing Media: None

Special Exposure Hazards: None

Special Protective Equipment: Dependent upon other materials in the area

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear dust excluding mask

Environmental Precautions: Prevent spillages from entering drains, streams, watercourses etc. If unavoidable warn the local Water Authority immediately

Methods for Cleaning Up: Avoid creating dust. Collect by vacuum cleaning and dispose of as low hazard material. Wet China Clay on floors can be a slipping hazard

7 HANDLING & STORAGE

Handling Precautions: Wear appropriate safety equipment - goggles, gloves, and dust excluding mask. Appropriate controls should be used to avoid generating dust

Storage: Store in tightly sealed containers in a cool, dry place

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Occupational Exposure Standard (OES) 8 hr TWA : 2.5 mg/m³ for respirable dust (Kaolinite)

Maximum Exposure Limit (MEL) 8hr TWA: 0.3 mg/m³ (Quartz)

Personal Protection:

Respiratory Protection: Use appropriate engineering controls to avoid dust generation. Ensure OES is observed

Hand Protection: Wear rubber or PVC gloves

Eye Protection: Wear chemical safety goggles

Skin Protection: Substance may give drying effect on the skin. Wear chemically resistant protective clothing

Other Protective Measures: An eyewash station should be nearby

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: White to off-white powder

Odour: Odourless

pH: Slurry 9.0 - 10.0

Boiling Point: Slurry 100°C

Freezing Point: Not applicable

Flash Point: Not applicable

Flammability: Non Flammable

Autoflammability: Not applicable

Explosive Properties: None

Oxidising Properties: None

Vapour Pressure: Not applicable

Relative Density: 2.6

Solubility: Very sparingly soluble in water

10 STABILITY & REACTIVITY

Stability: Stable at ambient temperatures

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None known

11 TOXICOLOGICAL INFORMATION

Toxicological Data: Low acute toxicity

Effects of exposure:

Eye contact: Irritation. No permanent damage expected if treated immediately

Skin contact: No determined toxicological effects

Ingestion: No determined toxicological effects

Inhalation: Exposure should be kept below the OES, at which level no effects on chest health would be expected

Carcinogenicity: This material is not considered to be a carcinogen

Mutagenicity: This material is not considered to be a mutagen

Reproductive Effects: None identified

12 ECOLOGICAL INFORMATION

Environmental Effect: China clay is persistent and non-biodegradable but is unlikely to have any long term effect on the environment

Ecotoxicity Value: China clay is non-toxic to fish, daphnia and aquatic algae, soil organisms and plants/animals.

Persistence & Degradability: Non-biodegradable. Persistent

Bioaccumulative Potential: No bio-accumulation or bio-magnification identified

13 DISPOSAL CONSIDERATIONS

Disposal of Product:	Vacuum up and dispose of as low hazard waste. Minor spillages may be washed to drain with plenty of water
Disposal of Packaging:	In accordance with local regulations
National or Regional Legislation:	Dispose of in accordance with Part 2 of the Environmental Protection Act, 1990. Consult your Local Waste Regulatory Authority if in any doubt

14 TRANSPORT INFORMATION

UN No.:	Not applicable
Classification:	Not classified
Packing Group:	Not applicable
Transport Hazard Symbol:	Not applicable

15 REGULATORY INFORMATION

Classification:	Not classified
Hazard Pictogram:	None
Risk Phrases:	None
Safety Phrases:	S22 Do not breathe dust S2 Keep out of the reach of children

National Legislation:

The Control of Substances Hazardous to Health Regulations 1999
EH40 Occupational Exposure Limits
Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 1996 (CHIP 96) Amended 1998
Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations 1996
Carriage of Dangerous Goods by Road Regulations 1996

16 OTHER INFORMATION

Recommended Uses:	Customers should ensure that the product is entirely suitable for their own purpose
Further Information:	Advice and literature on the properties, storage and handling of this product are available on request
EEC Directive:	The above information complies with the Directive 93/112/EEC

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