

Safety Data Sheet (in compliance with Directive 2001/58/EC and ISO 11014 format)

CHINA CLAY (DRY)

Platinum Range

Diamond Range

Opal Range

Version 1 Revision date: March 2004

1. Identification of Substance

Product Name

Platinum Range

Diamond Range

Opal Range

Use of the substance / preparation

Substances used in the manufacture of:

- Ceramics
- Paper
- Fibreglass

Kaolin is also used in rubbers, plastics, paints, refractories, animal nutrition, fertilisers, cosmetics and pharmaceuticals.

Supplier

Please note: This is the MSDS provided by the supplier of these goods to FIBRECRAFTS.

FIBRECRAFTS does not have the qualifications necessary to gather such specialised data.

Tel: 01483 565800

2. Composition / Information on Ingredients

Chemical Nature of the Substance / Preparation

kaolinite: $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$

Components

CAS- N°	EINECS	Name	EC Classification
1332-58-7	/	Kaolin	no classification

3. Hazards Identification

Dust inhalation

The product may contain respirable dust. Prolonged inhalation of high dust concentrations may adversely affect lung functions. For safe use, respect occupational exposure limits.

4. First aid measures

No actions to be avoided, nor special instructions for rescuers.

Eye contact

No special measure

Wash with copious quantities of water and consult medical physician if necessary.

Ingestion

No special measure

Inhalation

No special measure

Skin contact

No special measure

5. Fire-fighting measures

Non flammable, non explosive. No hazardous releases in case of fire.

6. Accidental release measures

Personal precautions

Avoid dust formation. In case of exposure to high level of airborne dust, wear a personal respirator in compliance with national legislation.

Environmental precautions

No special requirement

Methods for cleaning up

Avoid dry sweeping and use water spraying or ventilated vacuum system to prevent dust formation.

7. Handling and Storage

Safe Handling Advice

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Technical measures / Precautions

No specific requirements. Provide appropriate ventilation and store bags such as to prevent any accidental damage.

Specific Use(s)

No special technical measures or precautions. The above-mentioned safe handling advice shall apply.

8. Exposure controls / Personal protection

Exposure limit values

Respect regulatory provisions for dust (inhalable and respirable), and for respirable crystalline silica.

United Kingdom Occupational Exposure Limits:

Kaolin has an OES of 2 mg.m⁻³ 8 hour TWA Respirable

Silica has a MEL of 0.3 mg.m⁻³ 8 hour TWA Respirable

Exposure controls

A. OCCUPATIONAL EXPOSURE CONTROLS

Provide appropriate exhaust ventilation and filtering at the places where dust can be generated.

- Respiratory protection

In case of exposure to dust over regulatory limits wear a personal respirator in compliance with national legislation.

B. ENVIRONMENTAL EXPOSURE CONTROLS

No special requirement.

9. Physical and chemical properties

General information

Physical state	bulk, powder, lump, pellets, spray dried, or slurry
Colour	varied
Odour	odourless

Important health, safety and environmental information

Specific density:	2.6 g/cm ³
Melting temperature:	Above 1200°C
Decomposition temperature:	Above 550°C
Flash point:	Non flammable
Explosion hazard:	Non explosive
Solubility in water:	Negligible

Solubility in hydrofluoric acid: Yes

10. Stability and Reactivity

Chemically stable, no particular incompatibility, no hazardous decomposition product.

11. Toxicological information

No acute toxicity

Prolonged and/or massive exposure to respirable dust may have adverse lung effects. Due to its quartz content, excessive exposure to kaolin dust may notably cause pulmonary fibrosis and silicosis. There is some scientific debate going on about the possible carcinogenicity of quartz. There is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. According to current state of the art, worker protection against silicosis would be consistently assured by respecting present regulatory occupational limits. A list of bibliographical references can be obtained from your supplier, upon request.

12. Ecotoxicological information

No specific adverse effect known.

13. Disposal considerations

Waste from residues / unused products

Can be landfilled in compliance with local regulations. The material should be buried to prevent airborne respirable dust being emitted. Where possible, recycling should be preferred to disposal.

Packaging

No specific requirements. In all cases dust formation from residues in the packaging should be avoided and suitable worker protection be assured.

14. Transport information

No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.

15. Regulatory information

Refer to the regulatory exposure limits for workforce enforced in each country.

The product, nor any of the by-minerals contained, have not been classified at the EU level, under the dangerous substances and preparations regulation.

16. Other information

**Liability**

Such information is the best of Goonvean Ltd's knowledge and belief accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

f:\data\office\compdoc\h&s\safedata\data2004\dataclay2004.doc