

PRODUCT HEALTH AND SAFETY INFORMATION

According to European guideline 91/155/C.E.E.

Trade name : **METACAL®**

Page 1 van 3
Version 1.3 (Replaceses version 1.2)
December 2003

1. IDENTIFICATION

1.1. Identification of substance

METACAL® : calcined China Clay
CAS number : 92704-41-1 (Europe)
66402-68-4 (Non Europe)

1.2 Manufacturer / Supplier

CALTRA Nederland B.V.
Communicatieweg 27
3641 SG Mijdrecht
Telephone : + 31 297 289 340
Facsimile : + 31 297 289 350
E-mail : planning@caltra.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

100% calcined kaolin Al₂Si₂O₇
CAS number : 92704-41-1 (Europe)
66402-68-4 (Non Europe)
Einesc no. : 296-473-8
MSHA PEL 10 mg/m³ total
OSHA PEL 15 mg/m³ (5mg/m³ respirable)
ACGIH TLV 2 mg/m³ respirable

3. HAZARDS IDENTIFICATION

Danger symbols : N/A

4. FIRST AID MEASURES

Eye contact

Flush eyes with plenty of clean water.

Skin contact

Dust of dry powder-no direct danger.

Ingestion

No hazard.

Inhalation

Long term exposure to high levels of kaolin dust cause a reduction of lung capacity.

5. FIRE FIGHTING MEASURES

METACAL® is not flammable and will not facilitate combustion with other materials

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

See under 8

Cleaning up

Remove the spillage in a dry state if possible. Spilled material may cause slippery conditions when wet.

PRODUCT HEALTH AND SAFETY INFORMATION

According to European guideline 91/155/C.E.E.

Trade name : **METACAL®**Page 2 van 3
Version 1.3 (Replaceses version 1.2)
December 2003**7. STORAGE AND HANDLING**Storage

Bags should be stacked in a safe and stable manner.

Handling

Some bags may have small amounts of the product on the outer surface.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONOccupational Exposure Standard (OES)OES 8 hr Time Weighted Average (TWA) : 10 mg/m³ total inspirable dust / 3 mg/m³ respirable dustEngineering Measures

Where reasonably practicable, dust exposures should be controlled by engineering methods.

Personal Protective Equipment

- a. Respirable Protection
Suitable respiratory protection should be worn if operating cause heavy dusting.
Ensure that personal exposure is less than the OES.
- b. Hand and skin protection
No special requirements.
- c. Eye protection
Dust-proof goggles for heavy dusting.

9. PHYSICAL/CHEMICAL PROPERTIESPhysical Data

Physical State:	white powder
Mean Particle Size:	1,5 microns
Odour:	odourless
Ph	7,5 - 8,0
Viscosity	N/A
Freezing point:	N/A
Boiling point:	N/A
Melting point:	1700°C.
Flash point:	N/A (not flammable)
Explosive properties	N/A (not explosive)
Density	2650 kg/m ³
Solubility	insoluble

10. STABILITY AND REACTIVITY

Condition contributing to chemical instability	: none.
Hazardous decomposition products	: none.
Special precautions	: none.

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According to European guideline 91/155/C.E.E.

Trade name : **METACAL®**

Page 3 van 3
Version 1.3 (Replaceses version 1.2)
December 2003

11. TOXICOLOGICAL INFORMATION

Short-term effects

Eye contact : no irritant effect
Skin : no irritant effect
Ingestion : The swallowing of small amounts of the product or any product/water mixture is unlikely to cause any significant reaction.
Larger dose may result in irritation to the gastro intestinal tract.
Inhalation : may cause coughing, no sensitization effect known

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Rating

LC50 aquatic toxicity rating not determined. The addition of the product to water will be slightly hazardous. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage systems.,
Biological Oxygen Demand (BOD)
Not applicable.

13. DISPOSAL CONSIDERATIONS

Dispose of empty bags or surplus product to a place authorised to accept builder's waste.
Keep out of the reach of children.

14. TRANSPORT INFORMATION

Classification for conveyance – not required.

15. REGULATORY INFORMATION

Chemical (Hazard Information and Packaging) Regulations 1993

Observe the normal safety regulations when handling chemicals
The material is not subject to classification according to EC lists and other source of literature known to us.
The product is not subject to identification regulations under EC Directives and Ordinance on Hazardous Materials.

Risk/Safety phrases

Risk Phrases

R 42/43 : Skin contact and/or inhalation may cause over-sensitiveness

Safety Phrases

S 22 : do not breathe dust
S 36 : wear suitable protective clothing
S 38 : in case of insufficient ventilation use suitable breathing apparatus

16. LEGISLATION AND OTHER INFORMATION

This Safety Data Sheet follows:

- the International standard ISO 11014-1, Safety data sheet for chemical products – Part 1: Content and order of sections
- the Commission Directive of European Communities 91/155/ECC

The above information and recommendations are based upon our experience and are offered merely for advice. By no means shall it be a guarantee for any specific product features and shall not establish a legally valid contractual relationship.