

CASTREE KILNS

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name : Alumina Calcined

Chemical Name : Aluminium Oxide

Synonyms : None

Company : CASTREE KILNS

Unit 5,

Wembley Place

St Clears

SA33 4LR

Telephone : 01994 232760

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients CAS Number EC Number % of composition

Al₂O₃ 1344-28-1 -- 100

Hazardous only as an unspecified nuisance dust.

3. HAZARD IDENTIFICATION

Inhalation: Excessive exposure may cause symptoms of chronic lung disease.

Ingestion: The product is of low solubility in body fluids and it is likely to be of low toxicity.

Eyes: May cause physical irritation and inflammation.

Skin: The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention.

Ingestion: Do not induce vomiting. Seek medical advice.

Eyes: Wash immediately with copious amounts of water.

Skin: Wash affected areas with water.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.

Special exposure hazards: None

Protective personal equipment: None other than those suitable for the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Leaks & Spills: Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a receptacle.

Personal protective equipment: Respiratory protective equipment.

7. HANDLING AND STORAGE

Handling: Do not eat, drink, or smoke in areas where the material is used.

Wash thoroughly after handling the material.

Storage: Store in dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.

Personal protective equipment: Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn.

Protective gloves and overalls are recommended for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: powder

Colour: white

Odour: odourless

Flash point (OC): N/A

Flammability: N/A

Explosive properties: Non-explosive

Oxidising properties: None

Specific gravity: 3-5

pH value: 7 (insoluble in water)

Melting point (OC): Not available

10. STABILITY AND REACTIVITY

Chemical stability: The material is stable.

Conditions/materials to avoid: None known

Hazardous decomposition products: None known

Hazardous polymerization products: None

11. TOXICOLOGICAL INFORMATION

Acute toxicology: LD50 Oral: Not known

LD50 Dermal: Not known

LD50 inhalation: Not known

Health effects: Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not known.

Persistence: The product is chemically stable and will persist in the environment.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current waste disposal regulations (for UK – Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. TRANSPORT INFORMATION

UN/SI No. Not classified

UN Class Not classified

Packing Group Not classified

Road UK Not classified

ADR Not classified

Sea IMO Not classified

Air ICAO Not classified

15. REGULATORY INFORMATION

EC Supply Labelling: Non hazardous

R-Phrases: None

S-Phrases: Optional for dusty powders

S20/21 when using do not eat, drink or smoke.

S38 in case of insufficient ventilation wear suitable respiratory equipment.

UK Occupational exposures limits*: Mg/m³

8 hr TWA % in product.

Dusts -

Total inhalable 10 --

Total respirable 5 --

*Refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and

Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any

safety data sheet does not constitute the user's assessment of workplace risk.

16. OTHER INFORMATION

References:

COSHH ACOP HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994

CHIP 96 Chemicals (Hazard Information and Packaging for Supply) Regulations 1996

CHIP SDS ACOPS HSC Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP

regulations.

HSE EH40 HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH

regulations.

Further information:

Data sheet producing department: CASTREE KILNS

Telephone: 01994 232760

Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical

developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet

is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors

outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.