SAFETY DATA SHEET- TERRACOTTA GROGGED MARL

According to regulation (EC) No 2020/878

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Alfa Granular/ Powdered Terracotta Marl AA52

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Granular or powdered fireclay used in high temperature insulating concretes and refractory cements.

1.3 Details of the supplier of the safety data sheet

Valentine Clays LTD

Valentine Way

Stoke on Trent

ST4 2FJ

t: +44 (0)1782 271200

e: sales@valentineclays.co.uk

w: www.valentineclays.co.uk

1.4 Emergency Telephone Number

+44 (0)1782 271200

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

H373

2.2 Label Elements

WARNING

Hazard Ingredients:

H373 – Respirable Crystalline Silica

Hazard Statements:

H373 - May cause damage to lungs through prolonged or repeated exposure.

Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P314 – Get medical advice/attention if you feel unwell.

Section 3: Composition/information on ingredients

3.1 Physical Description

Alfa Granular and Powdered Fireclays are produced by milling raw fireclay to a size of 3mm down.

3.2 Chemical Composition

The predominant components are oxides of silicon (SiO_2), aluminium (Al_2O_3) and iron (Fe_2O_3).

Section 4: First Aid Measures

4.1 Description of first aid measures

After Inhalation- No specific first aid measures can be applied, however, if large quantities of dust are inhaled then remove the patient to fresh air.

After Ingestion- There are no known adverse effects. Wash mouth out with water and give water to drink. DO NOT induce vomiting.

After Eye Contact- Irrigate eye(s) immediately with clean water. Seek medical attention.

After Skin Contact- No specific first aid measures are necessary.

In all cases should exposure be excessive, or symptoms develop seek medical attention.

Section 5: Firefighting Measures

No fire or explosion hazard, as the materials are non-combustible.

Section 6: Accidental Release Measures

6.1 Personal Precautions

Where dust is created as a result of the release, normal personal protective equipment may be necessary.

6.2 Environmental Precautions

Alfa Fireclay is a natural substance and therefore no specific precautions are required to protect the environment.

6.3 Methods and material for containment and cleaning up

Dry sweeping should be avoided. Water spray or vacuum systems are recommended.

Section 7: Handling and Storage

7.1 Precautions for safe handling

The carriage of Fireclay is not subject to dangerous substance conveyance regulations. Vehicle and package labelling is not required. Vehicles should be sheeted during transportation.

Good practice should be employed when handling the material to avoid excessive dust generation.

7.2 Conditions for safe storage, including any incompatibilities

Storage should be arranged to avoid scattering of the aggregate as it may create a skid hazard.

Section 8: Exposure Controls/ Personal Protection

8.1 Exposure Limit Values

There are no specific occupational exposure limits but exposure to airborne dust may cause irritations to the eyes and respiratory system. Personal exposure should be controlled to the minimum that is reasonably practical and, in any case, keeps total dust exposures below 10mg/Cu.M and respirable dust below 5mg/Cu.M. Avoid ingestion.

8.2 Exposure Controls

Inhalation of dust should be avoided. Suitable dust masks should be worn in enclosed spaces where adequate ventilation is not provided. For other general Principles for protection refer to Guidance note EH44: Dust- general principles of protection: (HSE) ISBN 0 11 885595 6 from the Health and Safety Executive.

No other special protective clothing is required but eye protection is recommended in all circumstances.

Section 9: Physical and Chemical Properties

9.1 General Information

Granular or Powdered Fireclay in the form of angular particles grey in colour.

The lower sizes of both products are of potential respirable dust, which could include quartz.

Odour- Odourless

9.2 Important Health, Safety and Environmental Information

Fireclay has a very low solubility however, when mixed with water a pH in the range of 7-8 may be expected in the solute.

9.1 Other Information

For most situations, Fireclay can be considered to be inert.

Section 10: Stability and Reactivity

Fireclay is stable.

Section 11: Toxicological Information

No known toxicological effects.

Section 12: Ecological Information

For the reasons given in Section 10, Fireclay has no known detrimental ecological effects.

Section 13: Disposal Considerations

Fireclay is chemically inert but should be disposed of in accordance with local, legal requirements.

Section 14: Transport Information

Not classified as dangerous under the Classification Packaging and Labelling of Dangerous Substance regulations.

Section 15: Regulatory Information

Risk Phrases- None

Safety Phrases- None

Label for Supply- Not required

Health & Safety at Work Act 1974

Control of Substances Hazardous Health (Regulations)

HSE Guidance of Note EH44- Dust General Principles of Protection

HSE Guidance Note EH40- Occupational Exposure Limits

Manual Handling Regulations.

Section 16: Other Information

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of workplace risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Date of Issue: January 2025

Disclaimer: Every care is taken in compiling this information and is believed accurate and reliable as of the date indicated. However, Valentine Clays Ltd disclaims all liability for any loss, damage or expense arising from any inaccuracy therein. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use.