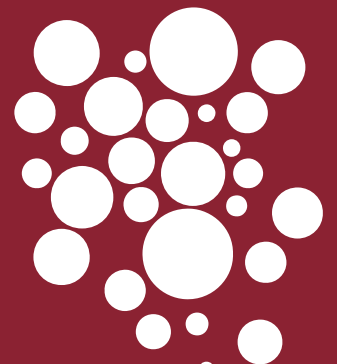




LYTAG[®]

- Safety Data Sheet - Lightweight Aggregate

www.SpecialistAggregates.com



Specialist
Aggregates
Limited

tel: 01889 580 660
fax: 01889 580 661
email: enquiries@SpecialistAggregates.com

1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Trade name: Lytag®

Product Code: 7830, 7831, 7832

Relevant identified uses of the substance or mixture:

Lightweight aggregate used as a basic construction material and as a component of other materials such as concrete, mortar, blocks and screeds.

Details of the supplier of the safety data sheet:

Specialist Aggregates Ltd - Rydal House - Colton Road - Rugeley - WS15 3HF

T: 01889 580 660 F: 01889 580 661

W: www.SpecialistAggregates.com E: enquiries@SpecialistAggregates.com

2 PHYSICAL DESCRIPTION

Lytag is manufactured from a by-product of bituminous coal fired power stations. The power station grinds coal into a very fine powder and uses this powder to fire the furnaces. Upon combustion of the coal a fine ash residue is left which takes the form of microscopic spheres. This ash is mixed with water and occasionally other powdered materials such as coal in small quantities and fired using recycled oil.

3 CHEMICAL COMPOSITION

The predominant components are oxides of silicon (SiO₂), aluminium (Al₂O₃) and iron (Fe₂O₃).

4 HAZARD IDENTIFICATION

Inhalation

Respirable dust containing quartz from this product, like many other crushed products if inhaled over an extended time may constitute a health hazard.

Eyes

Dust generated from this product may result in irritation if it enters the eyes. Eye protection is recommended.

Skin

No particular hazard is associated with this product in contact with the skin. However good practice should be followed with regard to personal hygiene, particularly before eating or smoking etc.

FIRST AID MEASURES

Inhalation

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

Eyes

Irrigate eye(s) immediately with clean water. Seek medical attention.

Skin

No specific first aid measures are necessary.

Ingestion

There are no known adverse effects. Wash mouth out with water and give water to drink. Do not induce vomiting. In all cases should exposure be excessive or symptoms develop seek medical attention.



5 FIRE FIGHTING MEASURES

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Where dust is created, normal respiratory personal protective equipment may be necessary. Normally, however, release takes the form of dry aggregate spillage, which requires no precaution

ENVIRONMENTAL PRECAUTIONS

Lytag is an inert substance and therefore no specific precautions are required to protect the environment

SPILLAGE/METHODS FOR CLEANING UP

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

7 ACCIDENTAL RELEASE MEASURES

HANDLING

The carriage of Lytag 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.

STORAGE

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

8 EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

There are no specific occupational exposure limits but exposure to airborne dust may cause irritation 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/m³ and respirable dust below 5mg/m³. Avoid ingestion.

EXPOSURE CONTROLS

Inhalation of any 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 ; Dustgeneral 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Sintered pulverised fuel ash in the form of hard spherical pellets, brown in colour.

Lytag fines is material less than 4mm in size formed during the production of granular Lytag.

Crushed Lytag is an angular product of varying sizes formed by breaking the spherical pellets into smaller particles.

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

SPECIFIC GRAVITY 1.3-2.2

SOLUBILITY IN WATER Negligible

SMELL Odourless

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Lytag has a very low solubility however, when mixed with water a pH in the range 7-10 may be expected in the solute.

FURTHER INFORMATION

For most situations Lytag can be considered to be inert.



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10 STABILITY AND REACTIVITY

The high temperature manufacturing process of Lytag (~1400°C) creates a material that has a very high stability in most conditions including heat, cold, watercourses etc.

11 TOXICOLOGICAL INFORMATION

No known toxicological effects

12 ECOLOGICAL INFORMATION

No known toxicological effects

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

Not classified as dangerous under the Classification Packaging and Labelling of Dangerous Substances Regulations.

15 REGULATORY INFORMATION

RISK PHRASES None

SAFETY PHRASES None

LABEL FOR SUPPLY Not Required

Health & Safety at Work Act 1974

Control of Substances Hazardous to Health (Regulations)

HSE Guidance Note EH44 – Dust General Principles of Protection

HSE Guidance Note EH40 – Occupational Exposure Limits

Manual Handling Regulations

16 OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This MSDS was first issued in June 2003 and was revised from the original document 'Health and Safety Product information' to meet the requirements for a Material Safety Data Sheet conforming to the requirements of CoSHH.

To the best of our knowledge the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards that may exist in the workplace. This MSDS, therefore forms a component only of a risk assessment carried out by, or on behalf of the user

Specialist Aggregates Ltd Issue Date: 28-01-16



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