

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product and Company Identification

Product Name: Bauxit Guy  
Type: Dry solids, as aggregate or fine powder depending on grade specified.

## 2. Product Composition and Properties

<u>CAS No.</u>	<u>Components</u>	<u>Range %</u>	<u>R/S Phrases</u>
1318-16-7	Bauxite	100	None stipulated

## 3. Hazard Identification

When packaging is broken or during handling, evolved dust will be bauxitic particles with a crystalline silica content <1.0%. A proportion of fine powder as supplied maybe respirable crystalline silica, ensure that exposure limit is controlled below the relative M.E.L. This does not relate to the coarser aggregates.

## 4. First-Aid Measures

### First Aid

- 4.1 Inhalation - Remove to fresh air and seek medical attention.  
4.2 Skin contact - Wash off any dust with warm soapy water.  
4.3 Eye contact - If dust enters eyes, flush with cool clean water. Seek medical attention.  
4.4 Ingestion - No measures required.

## 5. Fire Fighting Measures

Refractory products are heat resistant and not themselves combustible.

Extinguisher Type: General Purpose - for packaging material only.

Special Procedures: None required.

## 6. Accidental Release Measures

There are no known risks associated with Guyanan/Brazilian bauxite even if exposed to soil or surface water contact. Clean up waste using a dust free method.

## 7. Handling and Storage

A small amount of dust may be generated during handling, which may contain crystalline silica.

Store in dry area away from fierce heat that may cause damage to packaging materials.

## 8. Exposure Controls/ Personal Protection

The HSE Guidance Note EH40 gives the relevant occupational exposure limits:-

Crystalline Silica M.E.L:- 0.3  $\text{mgm}^3$  8 hr TWA respirable dust fraction.

Nuisance dust OES:- 10  $\text{mgm}^3$  8 hr TWA total inhalable dust fraction  
4  $\text{mgm}^3$  8 hr TWA respirable dust fraction.

Customers are advised to check National Legislation for their period of reference for limit values.

### Risk Identification

Dust evolution during handling.

### Personal Protection

Ventilation: Maintain good ventilation during bag splitting and handling operations.

Respiratory: Use approved equipment if conditions so require e.g. dust mask.

Hand Protection: Wear non-porous anti-slip gloves due to risk of skin abrasion.

Eye Protection: Only required if dust is generated during handling.

Other Protection: Safety footwear and overalls are recommended.

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## 9. Physical and Chemical Properties

Appearance:	Dark grey/black powder or granules.
Physical Form:	Bulk Density: 3050-3100 kg/m <sup>3</sup>
Solubility in Water:	Negligible/Slight
pH:	Slightly alkaline

## 10. Stability and Reactivity

Chemical Stability:	Stable in the form supplied.
Incompatibility:	None known.
Conditions to avoid:	None known.
Hazardous Decompositions:	None known.

## 11. Toxicological Information

There are no known health effects that can arise from the product on delivery.

## 12. Ecological Information

Guyanese/Brazilian bauxite aggregates are inert in the form supplied. There is no bioaccumulation potential or aquatic toxicity associated with the products.

## 13. Disposal

The product in the as-received form can be disposed of as solid non-hazardous waste according to national laws or local regulations.

Customers are advised to evaluate any changes to the product that may be induced by the introduction of substances and operating conditions not under the control of the vendor.

## 14. Transport Information

No special labelling or transport measures have been identified for this product.

## 15. Regulatory Information

Classification and labelling follows EEC Directives and U.K. HSE EH40 and COSHH guidelines.

## 16. Other Information

None.