

**Section 1: Identification****1.1 Product identifier**Product Name: **Britebead 2,3,4****1.2 Uses of the product**

-Blasting Cleaning

**1.3 Details of the supplier of the product information**Supplier: Guyson Corporation of U.S.A.  
13 Grande Blvd.  
Saratoga Springs, NY 12866  
[www.guyson.com](http://www.guyson.com)  
[info@guyson.com](mailto:info@guyson.com)**1.4 Telephone number: 518-587-7894****Section 2: Hazard Identification****2.1 Symbols and Hazard Identification: Not Foreseen**

Cr: Irritating- Dermatitis

Exposure by inhalation of fine powders in large quantities may produce symptoms called metal fume fever which lasts 24/48 hours,

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<b>Ident. Rev.</b>	<b>Date</b>	<b>Description</b>

**Section 3: Composition / Information on Ingredients****3.1 Fe > 80%****Iron-based smelted alloy:**

The stated components are in solid solution, not free.

The information reported at points 2.2, 3.3, and 8.1 refer to single elements component of alloy.

<b>3.2 Risk Phrases:</b>	<b>Not Foreseen</b>
<b>Safety Phrases:</b>	<b>Not Foreseen</b>
<b>Cr C.A.S:</b>	<b>No. 7440-47-3</b>
<b>Cr EINECS/ELINCS:</b>	<b>No. 231-157-5</b>
<b>Cr INDEX:</b>	<b>-----</b>
<b>Fe C.A.S:</b>	<b>No. 7439-89-6</b>
<b>Fe EINECS/ELINCS</b>	<b>No. 231-096-4</b>
<b>Fe INDEX:</b>	<b>-----</b>
<b>Si C.A.S</b>	<b>No. 7440-21-3</b>
<b>Si EINECS/ELINCS:</b>	<b>No. 231-130-6</b>
<b>Si Index</b>	<b>-----</b>

**REACH Registration number****Iron:** 01-2119462838-24-0000**Chrome:** 05-2115258134-52-0000**Silicon:** 05-2115258128-45-0000

## Section 4: First-Aid Measures

### 4.1 Description of first aid measures

- Eye contact:** Flush carefully with water for a long time. If necessary obtain medical advice.
- Skin contact:** Wash contaminated skin carefully with soap and water. Obtain medical advice if irritation occurs.
- Inhalation:** Move exposed person to fresh air at once. Perform artificial respiration if necessary. Obtain medical attention as soon as possible.
- Ingestion:** Rinse mouth carefully with water. If any symptoms persist obtain medical advice.

## Section 5: Fire-Fighting Measures

### 5.1 FLAMMABLE: NO

\*Special attention must be paid to process and/or systems that might raise clouds of very fine powder, Likely to be flammable in the presence of primers.

Avoid ignition sources.

To avoid electrostatic discharges, assure the electrical bonding of metallic tins and plants.

### 5.2 Subject to Spontaneous Combustion:

No

### 5.3 Extinguishing Media:

Dry powder extinguisher class D, dry sand.

## **SAFETY DATA SHEET**

### **5.4 Protective Equipment:**

Wear respirator and suitable personal safety devices (protective clothing, shoes, helmet, gloves Glasses).

## **Section 6: Accidental Release Measures**

### **6.1 Personal precautions**

Prevent contact with skin and eyes by putting on the personal safety devices stated in point 8.2.

### **6.2 Environmental precautions**

Keep product away from sewers, surface and underground waters and from the ground.

### **6.3 Cleaning up method**

Do not use compressed air. Place in a container for recycling with small shovel.

## **Section 7: Handling and Storage**

### **7.1 Storage Information**

Covered, dry and naturally ventilated area.

Avoid placing material on the floor.

Do not stack more than 3 pallets high (for products packed in bags)

Do not stack more than 1 pallet high (for products packed in big-bags)

### **7.2 Preservation Information**

Keep product closed in its original packing.

## **Section 8: Exposure Controls / Personal Protection**

### **8.1 Exposure limit values:**

TLV-TWA (ACGIH) [10 mg/m<sup>3</sup>]: **Cr**= 0.5; **Fe**= 10

Ventilation: Work area must be sufficiently ventilated to keep concentration below the exposure limit.

### **8.2 Occupational Exposure Controls**

#### **Personal protective controls**

**Respiratory protection:** Filter mask FFP3 (S)

**Protection of hands:** Leather gloves according to EN 388 Standard.

**Eye Protection:** Use safety glasses

**SAFETY DATA SHEET****Personal Hygiene:**

No smoking, eating, or drinking in the work area

**Pictograms:****Section 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Physical state	Solid.
Form	Irregular granules
Color	Metallic gray
Apparent Density (g/cm <sup>3</sup> )	2.5 - 4.5
Melting Point(°C)	1480-1540
Specific weight (g/cm <sup>3</sup> at 20 °C)	7.6 – 7.8
Spontaneous flammability	No
Water solubility	No

**Section 10: Stability and Reactivity****10.1 Stability at usual conditions**

Stable

**10.2 Possibilities of decomposition**

In water: No

In acids: Yes

Acid contact may generate flammable gas.

**10.3 Materials to avoid**

Acids

**Section 11: Toxicological Information****11.1 Toxicity by different routes of exposure:**

Inhalation n.d. (\*)

Ingestion n.d. (\*)

Skin-contact n.d. (\*)

Eye-contact n.d. (\*)

**Section 12: Ecological Information****12.1 Ecotoxicity** n.d. (\*)**12.2 Mobility** n.d. (\*)**12.3 Persistence and Degradability** n.d. (\*)**12.4 Bioaccumulative potential** n.d. (\*)

(\*) See point 16.3

## Section 13: Disposal Considerations

### 13.1 Waste Treatment Methods:

Disposal procedures according to the Regulation 2014/1357/EC (replacing annex III of the Directive 2008/98/EU and to the Decision 2014/955/EC amending Decision 2000/532/EC on the list of waste According to the Directive 2008/98/EC of the European Parliament and of the council.

## Section 14: Transport Information

**Road/ Rail/ Inland waters  
(ADR/RID/ADN)** Product not classified as dangerous

**Maritime Transport  
(IMDG Code)** Product not classified as dangerous

**Air Transport  
(ICAO T.I. / IATA)** Product not classified as dangerous

## Section 15: Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The substances is NOT subject to:

-Regulation (EC) n. Regulation (EC) No 2037/2000 of the European Parliament and of the Council Of 29 June 2000 on substances that deplete the ozone layer.

-Regulation (EC) n. 850/2004 of the European Parliament and of the Council of 29 April 2004 on Persistent organic pollutants;

-Regulation (EC) n. 689/2008 of the European Parliament and of the Council of 17 June 2008 Concerning the export and import of dangerous chemicals.

### 15.2 Chemical Safety Assessment

Yes it has been carried out for Iron.

## Section 16: Other information

Type of revision: Every Section. This SDS cancels and substitutes every past SDS editions. Consistent with Regulation (EC) N. 453/2010

The information reported in this Safety Data Sheet are based on the best scientific and toxicological Knowledge up to the date indicated above. This information is based on the bibliography below.

Reported data refers only to the pure substance.

The downstream user must follow in force laws, and make sure that the SDS information is up to date, Appropriate and complete in relation to the product utilization date and to the on-site specific use.

**Safety Data Sheet based on:**

- Regulation EC n. 1907/2006 (REACH) and subsequent amendments and additions
- Regulation EC n. 1272/2008 (CLP) and subsequent amendments and additions
- Regulation EC n. 453/2010

**Laws and References:**

- D.Lgs. 152/2006 (Italian Law)
- ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG Code (International Maritime Dangerous Goods Code).
- IATA (International Air Transport Association).
- SAX'S, (Dangerous Properties of Industrial Materials).
- ACGIH (2009) American Conference of Governmental Industrial Hygienists
- Chemical Safety Report (CSR) Iron 2010

**Abbreviations & Acronyms:**

**DNEL:** Derived No-effect Level

**EC 10:** Effective Concentration to 10% of the test organisms

**HC-5:** The concentration without effect of 95% of the species= statistically derived environmental threshold value

**LC10:** Lethal concentration to 10% of test organisms

**LC50:** Lethal concentration to 50% of test organisms

**LD50:** Lethal Dose to 50% of test organisms

**NOEC:** No Observed Effect Concentration= highest concentration tested without effects

**PBT:** Persistent Bio accumulative and Toxic

**PNEC:** Predicted No-effects concentration

**REACH:** EC Regulation on Registration, Evaluation and Authorization of Chemical

**TLV-TWA:** Threshold Limit Value (TLV)- Time Weighted Average

**vPvB:** Very Persistent, Very Bio accumulative