

# BARITEWORLD

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## SAFETY DATA SHEET (SDS)

Prepared according to EU Regulation 1907/2006 of the European Parliament and of the Council (REACH)

Review nº 1	Date: 13/12/12	Changes:	Initial elaboration according to Regulation 453/2010
Printing date:	17 de diciembre de 2012		

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

#### 1.1 Product identifier:

- Trade Name BW200,120,88,70,63.
- the identity of all substances in the mixture that contribute to its classification (Max 4): Mineral micaceous iron oxide to 95.76%.

Sustancia	%	Nº CE	Nº CAS	Denominación Química Internacional	Nº REACH
MICACEOUS IRON OXIDE	95,06	215-168-2	1309-37-1	Diiron trioxide	Exempt
Calcium oxide	1,12	215-138-9	1305-78-1	Calcium oxide	Exempt
Silicon dioxide	0,92	231-545-4	7631-86-9	Silicon dioxide	Exempt
Magnesium oxide	0,43	215-171-9	1309-48-4	Magnesium oxide	Exempt
Aluminum Oxide	0,33	-	-	Aluminum oxide	Exempt

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

Paints and Coatings  
Ceramics  
Plastic  
Glass  
We have not identified uses advised against

### 2° HAZARDS IDENTIFICATION:

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008

#### Classification of the substance or mixture:

- Not classified  
c

#### Major adverse physicochemical, human health and the environment

The product is not considered hazardous to health and / or environmental.

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### **Label elements:**

Hazard pictogram and signal word::

No need.

Signal word: No need

Hazard statements:

No need.

Precautionary Statements General:

-

Precautionary Statements -Prevenición:

-

Precautionary Statements - response:

-

Precautionary Statements -Eliminación:

-

### **Classification of the mixture according to Directive 1999/45/EC:**

Not classified as dangerous according to Directive 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16.

Major adverse physicochemical, human health and the environment:

The product is not considered hazardous to health and / or the environment.

Risk Phrases:

- No need

Precautionary statements:

- No need

**Other hazards:**

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### 3° COMPOSITION / INFORMATION ON INGREDIENTS

#### Mixture

#### Hazardous components

Does not contain hazardous components

Component	Conc. %p/p	N° CAS	N° CE	N° Index	Concentration Limits	Classificación

For the full text of the R phrases mentioned in this Section, see Section 16.

### 4° FIRST AID MEASURES:

#### Description of first aid measures:

- Remove the person from the contaminated area
- Remove contaminated clothing
- Flush eyes with plenty of water for at least 10-15 minutes. Remember to remove contact lens
- Keep the patient at rest
- Keep body temperature
- Check breathing. If necessary, artificial respiration
- If the person is unconscious, lay on its side with the head lower than the rest of the body and the knees bended

NEVER LEAVE THE PATIENT IN NO EVENT

#### Most important symptoms and effects, both acute and delayed:

- No symptoms expected

#### Indication of any immediate medical attention and special treatment needed

- Symptomatic treatment

### 5° FIREFIGHTING MEASURES:

#### Extinguishing media:

Carbon dioxide, dry powder extinguishers, foam or water spray.

Unsuitable extinguishing media:

Not known

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### **Special hazards arising from the substance or mixture:**

No specific hazards presented.

### **Advice for firefighters:**

The firefighting personnel must use appropriate protective equipment and self-contained breathing apparatus with face mask operating in positive pressure mode.

### 6° ACCIDENTAL RELEASE MEASURES:

#### **Personal precautions, protective equipment and emergency procedures:**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary personnel away and unprotected. Ensure adequate ventilation. Use personal protective equipment. Risk of slipping on spilled product.

#### **Environmental precautions:**

##### **LAND SPILL**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

##### **Large spill:**

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a waste container labeling. Dispose of via a licensed waste disposal contractor.

##### **Small spill:**

Move containers from spill area. Vacuum or sweep up material and place in a waste container labeling. Dispose of via a licensed waste disposal.

##### **WATER SPILL**

Warn other boaters. Notify port or relevant authority and keep public away.

To confine the spill if possible.

Consult an expert on disposal of recovered material and ensure you are in compliance with local disposal regulations.

#### **Methods and material for containment and cleaning up:**

Collect with suitable, clean the area with water.

Place everything into a closed, labeled container compatible with the product.

Consult an expert on disposal or recycling of products and ensure you are in compliance with local laws.

#### **Reference to other sections:**

### 7° HANDLING AND STORAGE:

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### Precautions for safe handling:

No special requirements

### Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques must be used to remove potentially contaminated clothing. Wash contaminated clothing before reuse. Ensure that eyewash stations and safety showers are close to the workstation.

### Conditions for safe storage, including any incompatibilities:

Product highly stable even at high temperatures. Store in a cool place. Keep container tightly closed in a dry and well ventilated.

Materials to avoid: sodium and alkali and alkaline earth metals

### Specific end use(s):

Manufacture of paints and coatings. Ceramics. Glass and Plastic.

## 8° EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Exposure limit values:

Exposure limits at work according to the list of exposure limit values

Professional by the National Institute of Safety and Health at Work (EU OEL) for 2012.

Name	VLA-ED		VLA-EC	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Iron oxide	5	-	-	-
Calcium oxide	2	-	-	-
Silicon Oxide	-	-	-	-
Magnesium oxide	10			
Alumina Oxide				

### Exposure controls:

#### PROFESSIONAL EXPOSURE CONTROLS

Provide adequate ventilation, which can be achieved by using good local exhaust ventilation and good general extraction.

- Respiratory protection:  
Required in the release of powder. Recommended: P1 filter acc. DIN EN 3181 for solid particles of inert substances

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- **Protection of hands:**  
In full contact: Glove Glove thickness: 0.11 mm Breakthrough time:> 480 min;  
In splash: nitrile rubber: Glove thickness: 0.11 mm Breakthrough time:> 480 min  
Comments: Gloves should be of the right size and fit the hand without being too loose or too tight. Should be used with clean, dry hands.
- **Eye Protection:**  
Safety glasses acc. DIN EN 166.
- **Skin Protection:**  
Protective clothing selected especially for the working place, depending on concentration and quantity of dangerous substances are handled and must be resistant to chemicals ..  
Features: "CE" Category II. Protective clothing should not be tight or loose to not interfere with the user's movements.  
CEN Standards: EN 340  
Maintenance: You must follow the washing instructions and maintenance provided by the manufacturer to ensure uniform protection.  
Observations: Protective clothing should provide a comfort level consistent with the level of protection to be provided against the risk that protects against, environmental conditions, the activity level of the user and the time of intended use.

*Environmental exposure controls:*

### 9° PHYSICAL AND CHEMICAL PROPERTIES

#### **Information on basic physical and chemical properties:**

- Appearance: Physical state: Solid; Color: -
- Odor: Characteristic
- Odour Threshold: -
- pH: n / a
- Melting / freezing point: -
- Initial boiling point and boiling range: n / a
- Flash Point: n / a
- Evaporation Rate: n / a
- Fire: No
- Upper / lower flammability: n / a
- Vapor Pressure: n / a
- Vapor Density: n / a
- Relative density: 5.1 g / c.c.
- Solubility: -
- Solubility in water: Practically insoluble

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- Partition coefficient n-octanol / water: -
- Autoignition Temperature: n / a
- Decomposition temperature: -
- Viscosity: -
- Explosive properties: No
- Oxidizing properties: No

### **additional information:**

### 10° STABILITY AND REACTIVITY

#### **Reactivity:**

- **Chemical stability:**  
Product highly stable even at high temperatures
- **Possibility of hazardous reactions:**
- **Conditions to avoid:**
- **Incompatible materials:**  
Keep away from Sodium and alkali and alkaline earth metals.
- **Hazardous decomposition products:**  
Unknown

### 11° TOXICOLOGICAL INFORMATION

#### **Information on toxicological effects (\*):** (\*estimated values)

- **Ingestion:**

Name	Acute toxicity		
	Essay	specie	Value
Iron Oxide	LD50	Rat	>5000 mg/kg

- **Inhalation:**

Name	Acute toxicity
------	----------------

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	Essay	specie	Value
Iron Oxide	LC50	Dog	No detectable effects

- **Skin absorption:**

Name	Acute toxicity		
	Essay	specie	Value
Iron Oxide	LD50	-	-

- **skin contact:**

No adverse effects expected

- **Eye contact:**

Possible irritation by mechanical effect

- **Sensitization:**

No sensitization expected

- **Additional information:**

### 12 ° ECOLOGICAL INFORMATION

- **Toxicity:**

Name	Acute Toxicity		
	Essayo	Specie	Value
Iron oxide	-	-	-

- **Persistence and degradability:**

No information is available about the persistence and biodegradability of the product.

- **Bioaccumulative potential:**

No information is available about

- **Mobility in soil:**

Avoid large-scale contamination of soil and water

- **Results of PBT and vPvB assessment**

- **Other adverse effects:**

Avoid contamination of large-scale soil and water.

If the soil has entered a watercourse or sewer or has contaminated the ground or vegetation, notify the authorities.

Mobility: avoid large-scale contamination of soil and water



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### 13° DISPOSAL CONSIDERATIONS

- **Waste treatment methods:**

Not discharge into drains, soil or waterways. To remove significant amounts, contact authorized waste manager.

All disposal must be in accordance with official regulations.

Do not remove labels from containers until they have been cleaned thoroughly with water

Treatment of packaging:

Rinse the container with water and treat the effluent as waste. Clean, empty containers can be reused, recycled or disposed of in accordance with local regulations.

### 14° TRANSPORT INFORMATION:

Not classified as hazardous under the criteria of transportation

- **UN number:** -

- **UN proper shipping name:**

-

- **Transport hazard class(es):**

-

- **Packing group:**

-

- **Environmental hazards:**

-

- **Special precautions for user:**

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**

-

### 15° REGULATORY INFORMATION

Classification made based on:

- Regulation 453/2010
- EC Regulation 1272/2008
- Regulation CE1907/2006
- Directive 1999/45/EC
- RD 255/2003
- Order PRE/164/2007

MSDS Prepared on the basis of:

- Annex II of Regulation EC 1907/2006 (REACH) as amended by EU Regulation 453/2010

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- This mineral is exempted to Reach registration because is a natural mineral and not chemically modified during concentrate process; REGULATION CE 1907/2006 and 987/2008

### 16° OTHER INFORMATION

**Full text of the (s) phrase (s) R referred to under headings 2 and 3:**

**Restrictions on use:**

*The information provided in this safety data sheet is correct to our knowledge at the time of review. Information given only describes the products with respect to security arrangements and should not be considered a warranty or quality specification, or constitute a legal relationship. The information contained in this safety data sheet applies only to the specific material designated and may not be valid if used in combination with other materials or in any process, unless specified in the text.*

**Resumen de Revisiones:**

Review	Date	Change
1	13/12/12	Inicial edition

The information contained in this Safety Data Sheet corresponds to the data available from the company at the date of issue, are given in good faith and no warranty whatsoever with respect to quality and product properties, refer only to the product described and are not considered valid if the product is used in combination with other or are used or diluted.

The company assumes no responsibility for injury to the user or third persons caused by abnormal use of the product, even following reasonable safety procedures.