

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006**

Powerhouse Blue Blocks

Version 1.0

Issue date: 20/03/2022

Revision date: 20/03/2022

SDS Record Number: EFHZ18030447-CG

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

**1.1 Product identifier:**

Identification on the label/Trade name: Powerhouse Blue Blocks

Item No.: B0188

Additional identification: Not available

Identification of the product: See section 3

Index Number: Not available

REACH registration No.: Not available

**1.2 Relevant identified uses of the substance and uses advised against:**

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

**1.3 Details of the supplier of the safety data sheet:**

Supplier(Only representative):

Address:

Contact person(E-mail):

Telephone: 01226 395095

**1.4 Emergency telephone Number:**

Only available during office hours (8:30a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours?                      YES                      \_\_\_\_\_                      NO                      \_\_\_\_\_

**Section 2 Hazards Identification**

**2.1 Classification of the substance/mixture:**

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Acute Tox. 4	H302
Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Dam. 1	H318
Aquatic Chronic 2	H411

*For full text of H- phrases: see section 2.2.*

**2.2 Label elements:**

Hazard Pictograms:



**Signal Word(S):**

Danger

**Hazard Statement:**

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H411: Toxic to aquatic life with long lasting effects

**Precautionary statement:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P330: Rinse mouth.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

Not available.

### Section 3 Composition/information on ingredients

**Substance/Mixture:**

Mixture

**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification
Sodium sulfate	N/A	7757-82-6	231-820-9	26%	Not Classified
Sodium dodecylbenzenesulfonate	N/A	25155-30-0	246-680-4	26%	H302 H315 H318
Sodium bicarbonate	N/A	144-55-8	205-633-8	13%	Not Classified
Sodium lauryl ether sulfate	N/A	9004-82-4	N/A	11%	H302 H319
Carboxymethylcellulose, sodium salt	N/A	9004-32-4	N/A	8%	Not Classified
FD&C Blue NO.1	N/A	8008-79-5	283-656-2	4%	H226 H304 H315 H317 H400 H410

water	N/A	7732-18-5	231-791-2	7%	Not Classified
Polyethylene glycol 6000 distearate	N/A	9005-08-7	N/A	2%	Not Classified
Dodecylbenzenesulphonic acid	N/A	27176-87-0	248-289-4	2%	H302 H314
Citric acid	N/A	77-92-9	201-069-1	1%	Not Classified

## Section 4 First aid measures

### 4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### 4.1.1 In case of inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

#### 4.1.2 In case of skin contact:

Timely wash with water and rinse thoroughly. Get medical aid if irritation or sensitization develops or persists.

#### 4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. If the symptoms can not be eased, get medical aid immediately.

#### 4.1.4 In case of ingestion:

If victim is conscious and alert, give 2-4 capfuls of milk or water to emetic. Never give anything by mouth to an unconscious person. Get medical aid.

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

Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

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

Symptomatic treatment.

## Section 5 Fire-Fighting measures

### 5.1 Extinguishing media:

Suitable extinguishing media: Water, sand, extinguishing powder, dry chemical.

Unsuitable extinguishing media: Not available.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides.

### 5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 Accidental release measures

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

6.1.1 For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.1.2 For emergency responders: Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

### 6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

### 6.3 Methods for Containment and Cleaning up:

Small leak: Mix absorb leaked material with (sand, diatomite, sawdust) then cleaning and placed into a suitable container.

Much leak: Isolation accident area to prevent the leak products to be contaminated, and then to recycling collection the leak products.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## Section 7 Handling and storage

7.1 Precautions for safe handling:

**7.1.1 Protective measures:**

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

**7.1.2 Advice on general occupational hygiene:**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s):

Not available.

## Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

**8.1.1 Occupational exposure limits:**

Sodium sulfate(CAS#7757-82-6): Concentration limit: Long-term exposure limit value: 10 mg/m<sup>3</sup> (Lithuania)

**8.1.2 Additional exposure limits under the conditions of use:**

Not available.

**8.1.3 DNEL/DMEL and PNEC-Values:**

Not available.

8.2 Exposure controls:

**8.2.1 Appropriate engineering controls:**

Use adequate ventilation to keep airborne concentrations low.

**8.2.2 Individual protection measures, such as personal protective equipment:**

**Eye/face protection:**

When necessary wear chemical goggles or face shield.

**Hand protection:**

Choose rubber or plastic glove with elbow-length gauntlet.

**Body protection:**

Wear suitable protective clothing to prevent skin exposure.

**Respiratory protection:**

Suitable respiratory protective device recommended.

**Thermal hazards:**

Wear suitable protective clothing to prevent heat.

**8.2.3 Environmental exposure controls:**

Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations

## Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

**Appearance:**

Solid

**Colour:**

Blue

**Odour:**

Ocean

**Odour threshold:**

Not available

**pH:**

6-8

**Melting point/range (°C):**

Not available

**Boiling point/range (°C):**

Not available

**Flash point (°C):**

Not available

**Evaporation rate:**

Not available

**Flammability limit - lower (%):**

Not available

Product name: Powerhouse Blue Blocks  
Eurofins Product Testing Service (Shanghai) Co., Ltd. Hangzhou Branch  
Room 301-307, 3/F, 1st Building, Huaye Hi-Tech Industrial Park, No. 1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang Province, China, 310052

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Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	>1 (water=1)
Bulk density (kg/m <sup>3</sup> ):	Not available
Water solubility (g/l):	Soluble
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available

#### 9.2. Other information:

Fat solubility(solvent- oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water( pKa):	Not available
Oxidation-reduction Potential:	Not available

### Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	Nodangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides.

### Section 11 Toxicological information

11.1 Information on toxicological effects:	
Acute toxicity:	
Sodium sulfate(CAS#7757-82-6):	
LD50(Oral, Rat):	> 2000 mg/kg bw female
LD50(Dermal, <b>Rabbit</b> ):	Not available
LC50(Inhalation, Rat):	> 2.4 mg/L 4 h
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

## Section 12 Ecological information

### 12.1 Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

- 12.2 Persistence and degradability: Not available.
- 12.3 Bioaccumulative potential: Not available.
- 12.4 Mobility in soil: Not available.
- 12.5 Results of PBT&vPvB assessment: Not available.
- 12.6 Other adverse effects: Toxic to aquatic life with long lasting effects.

## Section 13 Disposal considerations

- 13.1 Waste treatment methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	3077	3077	3077
UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.( FD&C Blue NO.1)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.( FD&C Blue NO.1)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.( FD&C Blue NO.1)
Transport hazard Class	9	9	9
Packaging group	III	III	III
Environmental hazards	Yes	Yes	Yes
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	IBC08	IBC08	IBC08

## Section 15 Regulation information

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

- Relevant information regarding authorization: Not applicable.
- Relevant information regarding restriction: Not applicable.
- Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
- Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES  NO

## Section 16 Other information

### 16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

### 16.2 Training instructions:

Not applicable.

### 16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### 16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.