

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name** Aqua Cast BLACK

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

No further relevant information available.

**Application of the substance / the mixture**

Impression plaster  
Processing aid

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

**Supplier :** Eli-Chem Resins UK Ltd  
212 Dunsfold Park  
Canada Avenue  
Cranleigh  
GU6 8GA (UK)  
+44 (0)1483 266636 (09:00 - 17:00 Mon-Thur / 09:00 - 16:00 Fri)  
sales@elichem.co.uk

**1.4 Emergency telephone number:**

+44 (0) 1483 266636 (Office Hours Only)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not to be classified according to the GB CLP regulation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** not applicable

**vPvB:** not applicable

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures**

**Description:** Blend of gypsum

**Dangerous components:** Void

**Additional information** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- . **General information** No special measures required.
- . **After inhalation** : Supply fresh air; consult doctor in case of symptoms.
- . **After skin contact** :  
Wash with water and soap.  
The product is not skin irritating.
- . **After eye contact** : Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing** :  
Rinse out mouth and then drink plenty of water (approx. 500 ml).  
In case of persistent symptoms consult doctor.
- . **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents**  
Use fire fighting measures that suit the environment.  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with foam.
- . **5.2 Special hazards arising from the substance or mixture**  
Fire can cause release of :  
Sulfur oxides (SO<sub>x</sub>)
- . **5.3 Advice for firefighters**
- . **Protective equipment:** Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid causing dust.  
Wear protective clothing.
- . **6.2 Environmental precautions:** No special measures required.
- . **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- . **6.4 Reference to other sections** No dangerous materials are released.

**SECTION 7: Handling and storage**

- . **7.1 Precautions for safe handling**  
No special precautions necessary if used correctly.  
Provide suction extractors if dust is formed.
- . **Information about protection against explosions and fires:**  
The product is not flammable  
No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.
- . **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection****. 8.1 Control parameters****. Components with critical values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**. Additional information:**

The lists that were valid during compilation were used as a basis.

The general dust limit value of 1.25 mg / m<sup>3</sup> (alveolar fraction) and 10 mg / m<sup>3</sup> (respirable fraction) must be observed (TRGS 900, 2015).

**. 8.2 Exposure controls****. Personal protective equipment****. General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

**. Breathing equipment:**

Short term filter device: ABEK-filter

Filter P1.(For solid particles, DIN 3181)

**. Protection of hands:** Not required.**. Material of gloves:** not applicable**. Penetration time of glove material:** not applicable**. Eye protection:** Safety glasses (DIN 58211, EN 166)**. Body protection:** Light weight protective clothing**SECTION 9: Physical and chemical properties****. 9.1 Information on basic physical and chemical properties****. General Information****. Appearance:**

**Form:** Solid

**Colour:** White

**. Smell:** Odourless

**. Odour threshold:** not applicable

**. pH-value at 20 °C:** 6.5 (Suspension)

**. Change in condition**

**Melting point/freezing point:** >1,400 °C

**Initial boiling point and boiling range:** Not determined

**. Flash point:** Not applicable

**. Inflammability (solid, gaseous):** not applicable

**. Ignition temperature:** not applicable

**. Decomposition temperature:** not determined

**. Explosive properties:** Product is not explosive.

**. Critical values for explosion:**

**Lower:** not applicable

**Upper:** not applicable

<b>. Dust explosion class:</b>	
<b>Oxidising properties</b>	none
<b>. Steam pressure:</b>	Not applicable. not applicable
<b>. Density at 20 °C</b>	2.6 g/cm <sup>3</sup>
<b>. Evaporation rate</b>	not applicable
<b>. Solubility in / Miscibility with     Water at 20 °C:</b>	ca. 2 g/l
<b>. Partition coefficient: n-octanol/water:</b>	ca. -2 log POW
<b>. Viscosity:</b>	
<b>dynamic:</b>	Not applicable. not applicable
<b>kinematic:</b>	Not applicable. not applicable
<b>. Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.0 %
<b>Solids content:</b>	100.0 %
<b>. 9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

- . 10.1 Reactivity** No hazardous reactions when stored and handled according to instructions.
- . 10.2 Chemical stability**
- . Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . 10.3 Possibility of hazardous reactions** No dangerous reactions known
- . 10.4 Conditions to avoid** No further relevant information available.
- . 10.5 Incompatible materials:** void
- . 10.6 Hazardous decomposition products:**  
Sulphur trioxide (SO<sub>3</sub>)  
Temp. > 1000 °C

## SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects**
  - . Acute toxicity** Based on available data, the classification criteria are not met.
  - . LD/LC50 values that are relevant for classification:**
- |      |                         |
|------|-------------------------|
| Oral | LD50 >2,000 mg/kg (rat) |
|------|-------------------------|
- 10034-76-1 calcium sulfate hemihydrate**
- |      |                          |
|------|--------------------------|
| Oral | LD50 5,825 mg/kg (mouse) |
|      | 9,934 mg/kg (rat)        |
- Inhalative LC50 >3.26 mg/L (rat)
- 1317-65-3 Limestone**
- |      |                         |
|------|-------------------------|
| Oral | LD50 >2,000 mg/kg (rat) |
|------|-------------------------|

**7778-18-9 calcium sulphate, natural**

Oral LD50 5,463 mg/kg (mouse)  
9,318 mg/kg (rat)

Inhalative LC50 >2.61 mg/L (rat)

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Additional toxicological information:****CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Due to the ingredients there is no suspicion of a mutagenic effect.

Due to the ingredients there is no suspicion of a carcinogenic effect.

Due to the ingredients there is no suspicion of a toxic effect on reproduction.

Due to the ingredients there is no suspicion of a teratogenic effect.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****1317-65-3 Limestone**

LC50 (96 h) >10,000 mg/L (fish)

EC50 (48 h) >1,000 mg/L (Daphnia)

EC50 (72 h) >200 mg/L (algae)

**12.2 Persistence and degradability** No further relevant information available.

**Other information:**

Inorganic salts are basically not biodegradable.

Easy elimination possible by flocculation or adsorption by sludge.

**12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

**12.4 Mobility in soil** No further relevant information available.

**Ecotoxicological effects:****Other information:**

No AOX

No VOC (0%) according to EC-directive 1999/13/EC

**Additional ecological information:**

**According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464**

**EC:**

None

**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations****. 13.1 Waste treatment methods****. Recommendation**

Smaller quantities can be disposed with household garbage.

Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

**. Uncleaned packaging:****. Recommendation:**

Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning.

Packaging's that cannot be cleaned are to be disposed of in the same manner as the product.

Dispose of packaging according to regulations on the disposal of packaging's.

**. Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information****. 14.1 UN-Number**

. ADR/RID/ADN, IMDG, IATA Void

**. 14.2 UN proper shipping name**

. ADR/RID/ADN, IMDG, IATA Void

**. 14.3 Transport hazard class(es)**

. ADR/RID/ADN, IMDG, IATA

. Class Void

**. 14.4 Packing group**

. ADR/RID/ADN, IMDG, IATA Void

. 14.5 Environmental hazards: Not applicable.

. 14.6 Special precautions for user Not applicable.

. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

. Transport/Additional information: Not dangerous according to the above regulations.

. UN "Model Regulation": Void

**SECTION 15: Regulatory information****. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****. Directive 2012/18/EU**

. Named dangerous substances - ANNEX I None of the ingredients is listed.

. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**. Abbreviations and acronyms**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

. Sources: source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

. \* Data compared to the previous version altered.