

# Safety Data Sheet

## STARCOAT PMMA SELF-LEVELLING AGGREGATE (2016)

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** STARCOAT PMMA SELF-LEVELLING AGGREGATE (2016)

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against See Section 16.

**Application of the substance / the mixture** Filling mortar.

#### 1.3. Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Axter Ltd, Harbour Landing, Fox's Marina,  
The Strand, Wherstead, Ipswich IP2 8NJ  
Tel: +44 (0) 1473 724056  
Email: [info@axterltd.co.uk](mailto:info@axterltd.co.uk)  
Website: [www.axter.co.uk](http://www.axter.co.uk)

#### 1.4 Emergency telephone:

Axter Ltd - +44 (0) 1473 724056  
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).  
In the event of a medical enquiry involving this product, members of  
the public should contact:  
NHS 111  
a doctor or  
a local hospital accident and emergency department.  
The NPIS (National Poisons Information Service) helpline is available  
for enquiries from medical professionals only.  
Tel: 0344 892 0111

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

STOT RE 2

H373 May cause damage to organs through prolonged or repeated exposure.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

#### Hazard pictograms



GHS08

**Signal word** Warning

#### Hazard determining components of labelling:

Quartz (SiO<sub>2</sub>)

#### Hazard statements

H373

May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statements

P260

Do not breathe dust.

P314

Get medical advice/attention if you feel unwell.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Does not meet the PBT-criteria of Annex XIII of UK REACH (self assessment).**vPvB:** Does not meet the vPvB-criteria of Annex XIII of UK REACH (self assessment).

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 14808-60-7  
EINECS: 238-878-Quartz (SiO<sub>2</sub>)

STOT RE 1, H372

≥2.5-&lt;10%

**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:

Immediately remove any clothing soiled by the product.

Take affected persons out of danger area and lay down.

No special measures required.

**After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.  
Take affected persons into fresh air and keep quiet.  
Seek medical treatment.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:**

If symptoms persist consult doctor.  
Do not induce vomiting; call for medical help immediately.

**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:**

Product itself does not burn fire extinguishing methods suitable to surrounding conditions.

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

No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:**

Wear fully protective suit.  
Wear self-contained respiratory protective device.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.  
Wear protective clothing.  
Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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

Do not flush with water or aqueous cleansing agents.

**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 disposal information.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid release of dust into the air.  
Providing good ventilating/suction at work.  
Take note of emission threshold.  
At least 7-fold air changes per hour

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.



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

#### Storage:

##### Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.  
Store in a cool location.

#### Information about storage in one common storage facility:

Not required.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.  
Store in dry conditions.

### 7.3 Specific end use(s)

If the product is mixed with other substances, the above-mentioned safety recommendations must be observed, provided the preparation is in a respirable form.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

**Additional information about design of technical facilities:** No further data; see section 7.

#### Ingredients with limit values that require monitoring in the workplace:

##### 1344-28-1 aluminium oxide ( $\leq 2.5\%$ )

WEL

Long-term value:  $10^* 4^{**} \text{ mg/m}^3$   
\*inhalable dust \*\*respirable dust

**Additional information:** The lists valid during the making were used as a basis.

### 8.2 Exposure controls

#### Personal protective equipment:



#### General protective and hygienic measures

Wash hands before breaks and at the end of work.

**Respiratory protection**

Filter P2.

**Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Check protective gloves prior to each use for their proper condition.

Check the permeability prior to each renewed use of the glove.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Protective gloves according EN 374.

Suitable material: nitrile.

**Penetration time of glove material**

Our Recommendation is mainly on a one-time use as a short-term protection Liquid splashes. For other applications, you should contact a glove manufacturer.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR

**For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR.

**Not suitable are gloves made of the following materials:**

Leather gloves.

**Eye protection**

Tightly sealed goggles EN standard: EN 166

**Body protection**

Protective work clothing.

**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance:**

**Form:** Solid in various forms.

**Colour** Grey.

**Odour** Odourless.

**Odour threshold** Not determined.

**pH value at 20°C** 7

**Change in condition**

**Melting point/freezing point** 1,713 °C

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| <b>Initial boiling point and boiling range</b> | 2,230 °C                                      |
| <b>Flash point</b>                             | Not applicable.                               |
| <b>Flammability</b>                            | Not determined.                               |
| <b>Decomposition temperature</b>               | Not determined.                               |
| <b>Ignition temperature:</b>                   | Product is not self-igniting.                 |
| <b>Explosive properties</b>                    | Product does not present an explosion hazard. |
| <b>Explosion limits</b>                        |                                               |
| <b>Lower</b>                                   | Not determined.                               |
| <b>Upper</b>                                   | Not determined.                               |
| <b>Vapour pressure</b>                         | Not applicable.                               |
| <b>Density at 20°C</b>                         | 2.64 g/cm <sup>3</sup> (EN ISO 2811-1)        |
| <b>Relative density</b>                        | Not determined.                               |
| <b>Vapour density</b>                          | Not applicable.                               |
| <b>Evaporation rate</b>                        | Not applicable.                               |
| <b>Solubility in / Miscibility with Water</b>  | Not miscible or difficult to mix.             |
| <b>Partition coefficient : n-octanol/water</b> | Not determined.                               |
| <b>Viscosity</b>                               |                                               |
| <b>Dynamic</b>                                 | Not applicable.                               |
| <b>Kinematic</b>                               | Not applicable.                               |
| <b>Solvent content</b>                         |                                               |
| <b>Solids content</b>                          | 100.0 %                                       |

**9.2 Other information** No further relevant information available.

## Section 10: Stability and reactivity

### 10.1 Reactivity

See Section 10.2.

### 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:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition products used according to specifications.

#### **Additional information:**

Emergency procedures will vary depending on individual circumstances. The customer should have a contingency plan to the workplace may be present.

## Section 11: Toxicological information

**11.1 Information on toxicological effects** There were no toxicological findings to the mixture.

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

**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 sensitization**

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

**Subacute to chronic toxicity**

Not tested.

**Additional toxicological information:**

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Not tested

**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**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

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

## Section 12: Ecological information

**12.1 Toxicity**

**Aquatic toxicity**

No further relevant information available.

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**Additional ecological information:**

**COD-value: 2-EHA**

**General notes**

Not hazardous for water.

## 12.5 Results of PBT and vPvB assessment

**PBT** Does not meet the PBT-criteria of Annex XIII of REACH (self assessment).

**vPvB** Does not meet the vPvB-criteria of Annex XIII of REACH (self assessment).

## 12.6 Other adverse effects

No further relevant information available.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

The waste is not hazardous. Dispose of in accordance with the regulations after consultation with the relevant local authorities and the disposal in a suitable and licensed facility.

Hazardous waste according to Waste Catalogue (EWC). If recycling is not possible, waste must be in compliance with local regulations to be removed.

#### Recommendation

Must not be disposed together with household waste. Do not allow product to reach sewage system.

Uncured product residues are special waste.

Cured product residues are not hazardous waste.

Smaller quantities can be disposed of with household waste.

#### Uncleaned packaging:

##### Recommendation:

Disposal must be made according to official regulations.

## Section 14: Transport information

|      |                                                                                  |                 |
|------|----------------------------------------------------------------------------------|-----------------|
| 14.1 | <b>UN number or ID number</b><br><b>ADR, ADN, IMDG, IATA</b>                     | VOID            |
| 14.2 | <b>UN proper shipping name</b><br><b>ADR, ADN, IMDG, IATA</b>                    | VOID            |
| 14.3 | <b>Transport hazard class(es)</b><br><b>ADR, ADN, IMDG, IATA</b><br><b>Class</b> | VOID            |
| 14.4 | <b>Packing group</b><br><b>ADR, IMDG, IATA</b>                                   | VOID            |
| 14.5 | <b>Environmental hazards:</b><br><b>Marine pollutant</b>                         | No              |
| 14.6 | <b>Special precautions for user</b>                                              | Not applicable. |
| 14.7 | <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>        | Not applicable. |
|      | <b>UN "Model Regulation":</b>                                                    | VOID            |



## Section 15: Regulatory information

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

#### Poisons Act

##### Regulated explosives precursors

None of the ingredients is listed.

##### Regulated poisons

None of the ingredients is listed.

##### Reportable explosives precursors

None of the ingredients is listed.

##### Reportable poisons

None of the ingredients is listed.

#### Directive 2012/18/EU

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

#### National regulations:

##### Information about limitation of use:

Employment restrictions under the Maternity Protection Directive (94/33/EC).

Employment restrictions for maternity Directive (92/85/EEC) for expectant and nursing mothers

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## Section 16: Other information

These figures relate to the product as delivered.

#### Sector of Use

Relevant identified uses of the mixture

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Uses advised against

SU21 Consumer uses: Private households / general public / consumers

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

H372

Causes damage to organs through prolonged or repeated exposure.

#### Contact

[www.axter.co.uk](http://www.axter.co.uk)

**Training hints**

Teaching about hazards and precautions to hand the operating instructions (Technical Rule 555).  
Instruction must take place before the start of employment and at least annually thereafter.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

vPvB: very Persistent and very Bioaccumulative

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

**Disclaimer:**

Axter Ltd reserves the right to modify and update this data at any time without prior notice. Only the latest version of this document is valid, available for download at [www.axter.co.uk/downloads](http://www.axter.co.uk/downloads). Once downloaded, documents are uncontrolled. Users should always confirm they are referring to the latest version prior to use. Further assistance is available from Axter Ltd's Technical Support Team, email: [technical@axterltd.co.uk](mailto:technical@axterltd.co.uk), telephone: 01473 935008.

The intended use of this product should be verified with Axter Ltd prior to adoption to ensure its suitability and compliance with specifications, project requirements, industry regulations, legislation, good practice, installation techniques and all other relevant guidance. The user should ensure all necessary precautions are taken during handling, storage, installation and disposal of the product, and all regulations to guarantee safety of people and the environment are observed. Axter Ltd accepts no liability for non-compliant use of this product.