Safety Data Sheet

According to 1907/2006/EC, Article 31

STARCOAT PMMA SELF-LEVELLING AGGREGATE

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

1.1 Product identifier
Trade name: STARCOAT PMMA SELF-LEVELLING AGGREGATE

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

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

GHS08 health hazard

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 CLP regulation.

Hazard pictograms

GHS08

Signal word	Warning
Hazard-determining components of labelling:	Quartz (SiO2)
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 REACH (self assessment).
vPvB	Does not meet the vPvB-criteria of Annex XIII of REACH (self assessment).

Section 3: Composition/information on ingredients

3.1 Mixtures

Description Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO2) STOT RE 1, H372	>2.5-<10%

Additional information

For the wording of the listed risk 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.
Involve doctor immediately.

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

After skin contact
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

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 should be 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 the 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.
Provide good ventilation at work.
Take note of emission threshold (at least 7-fold air changes per hour).

Information about fire - and explosion protection

Keep away from ignition sources. 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 safety advice given above must be observed if the preparation is in an inhalable form.

Section 8: Exposure controls/personal protection

Additional information about design of technical facilities No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
1344-28-1 aluminium oxide (≤2.5%)	
WEL	Long term value: 10* 4** mg/m³ *inhalable dust **respirable dust

Additional information about design of technical facilities

The lists valid during the making were used as a basis.

8.2. Exposure controls

Protective equipment

General protective and hygienic measures Wash hands before breaks and at the end of work.

Respiratory protection Filter P2

Protection of hands	Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material on consideration of the penetration times, rates of diffusion and degradation. Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics. Check protective gloves prior to each use for their proper condition. 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 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 cannot be calculated in advance and has therefore to be checked prior to the application. Protective gloves according to EN 374. Suitable material: nitrile.
Penetration time of glove material	Our recommendation is mainly for a one-time use as a short-term protection for liquid splashes. For other applications, you should contact a glove manufacturer. The exact break through time must be found out from the manufacturer of the protective gloves and must be observed.
For 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 permanent contact, gloves made of the following materials are suitable	Butyl rubber, BR
Not suitable are gloves made of the following material	Leather
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

General Information:

Appearance

Form:	Solid in various forms
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not determined
pH-value:	7
Changing condition	
Freezing point:	1713 °C
Boiling range:	2230 °C
Flash point:	N/A
Flammable (solid, gas):	Not determined
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Vapour pressure	N/A
Density at 20 °C:	2.64 g/cm³ (EN ISO 2811-1)
Vapour density:	N/A
Evaporation rate:	N/A
Solubility in / Miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined
Viscosity	
Dynamic:	N/A
Kinematic:	N/A
Solvent content:	
Solids content:	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 when product used according to specifications.

Additional information	Emergency procedures will vary depending on individual circumstances. The customer should have a contingency plan at the workplace where the product is 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.
	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 information available.
12.2	**Persistence and degradability**	No further information available.
12.3	**Bioaccumulative potential**	No further information available.
12.4	**Mobility in soil**	No further information available.
	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 regulations after consultation with the relevant local authorities and 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

Uncured product residues are special waste.
Cured product residues are not hazardous waste.
Smaller quantities can be disposed of with household waste.

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

Waste disposal key

The following Waste Codes of the European Waste Catalogue (EWC), are considered a recommendation.
The disposal must be coordinated with the local waste disposal company.
Liquid product:
080111 * paint and varnish containing organic solvents or other dangerous substances
080199 waste nec
Cured product residues:
080112 paint and varnish wastes other than those mentioned in 080111
080410 adhesive waste adhesives and sealants other than those mentioned in 080409
European waste catalogue 080111 * (recommended)

Uncleaned packaging
Recommendation

Disposal must be made according to official regulations.

Section 14: Transport information

14.1	**UN-Number** **ADR, ADN, IMDG, ATA**	Void
14.2	**UN proper shipping name** **ADR, ADN, IMDG, IATA**	Void
14.3	**Transport hazard class(es)** **ADR, ADN, IMDG, IATA**	Void
14.4	**Packing group** **ADR, ADN, IMDG. IATA**	Void
14.5	**Environmental hazards:** **Marine pollutant**	No
14.6	**Special precautions for user**	N/A
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	N/A
	Transport / Additional information: **ADR** **Remarks**	Classification according to viscosity clause (2.2.3.1.5)

IMDG

Remarks	Classification according to viscosity clause (2.3.2.5)
UN "Model Regulation"	Void

Section 15: Regulatory information

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

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

Training hints

Teaching about hazards and precautions to hand the operating instructions (Technical Rule 555). Training about hazards and precautions 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 européen sur le transport 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)
VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skins Sens 1: Skin sensitization – Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment – long-term aquatic hazard – Category 3

Sources:
www.gestis.de
www.echa.eu
logkow.cisti.nrc.ca
Data compared to the previous version altered.

The information provided in this document is accurate to the best of our knowledge. The document does not constitute a specification and Axter takes no responsibility for the suitability of the product in a particular use. It is the user's responsibility to ensure that the product is suitable for the intended application and use and to take the necessary precautions to ensure that during handling, storage and installation of the product, all regulations to guarantee safety of people and the environment are observed. For further information or technical design assistance, contact Axter Ltd.

The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.