Safety Data Sheet

according to 1907/2006/EC Article 31

STARCOAT PMMA W PRIMER (component B)

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

1.1 **Product identifier**
Trade name: STARCOAT PMMA W PRIMER

1.2 **Relevant identified uses of the substance or mixture and uses advised against** See Section 16
Application of the substance / the mixture Additional Component B

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

Manufacturer/Supplier:

Axter Ltd
West Road
Ransomes Europark
Ipswich IP3 9SX

t +44 1473 724056
e info@axterltd.co.uk www.axter.co.uk

Emergency telephone number:
+ 44 (0) 1473 724056, 8.00 am to 5.30 pm, Monday to Friday only - not 24 hours. In the event of a medical enquiry relating to this product, contact your doctor or local hospital accident and emergency department.

*Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Skin Irrit.2	H315 Causes skin irritation
STOT SE 3	H335 May cause respiratory irritation

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

GHS05

GHS07

Signal word Danger

Hazard determining components of labelling:

Cement Portland, chemicals
Calcium oxide

Hazard statements

H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

Precautionary statements

P261	Avoid breathing dust
P280	Wear protective gloves/ eye protection.
P310	Immediately call a Poison Centre / doctor.
P305+P351+P338	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep cool.

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

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 65997-15-1 EINECS:266-043-4	Cement, Portland, chemicals Eye Dam. 1, H318; Skin Irrit.2, H315; STOT SE 3, H335	50-100%
CAS: 1305-78-8 EINECS:215-138-9	Calcium oxide Eye Dam. 1, H318; Skin Irrit.2, H315; STOT SE 3, H335	≥3-<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.

This product contains cement. Cement reacts with moisture or gauging water alkaline. Therefore, skin irritation or burns of mucous membranes (e.g. eyes) with mortar splashes, sludge or other body fluids are possible. Medical treatment is necessary if symptoms occur caused by the product being in contact with skin or eyes or an inhalation of dust. Take affected persons out of danger area and lay them 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: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, blindness

Irritant to skin, eyes and respiratory system

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: not required

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Wet etching and slippery

5.3 Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.

Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

*Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation

Keep away from ignition sources.

Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:
Dispose of material according to local regulations.

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
Do not refill residue into storage receptacles.
Ensure good ventilation/exhaustion at the workplace
Protect from humidity and water.
Avoid dust formation and deposition of dust.
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 dry conditions. Protect from humidity and water. Product is hygroscopic.
Store in a cool location.

Information about storage in one common storage facility:
Store away from foodstuffs.

Further information about storage conditions:
Store in cool, dry conditions in well sealed containers.
Store under lock and key and with access restricted to technical experts or their assistants only.
Keep container tightly sealed.
Protect from heat and direct sunlight.

7.3 Specific end use(s) Building coating or sealing.

*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:	
65997-15-1 Cement, Portland, chemicals (50-100%)	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust
1305-78-8 calcium oxide (≥3 -<10%)	
WEL	Short-term value: 4* mg/m³ Long-term value: 2.1* mg/m³ * respirable fraction

Additional information: The lists valid at the time were used as a basis.

8.2 Exposure controls

Surveillance and monitoring procedures, see e.g. “Recommended analytical methods for workplace measurements”, Series for health and safety for “NIOSH Manual of Analytical Methods”, National Institute for Occupational Safety and Health.

Personal protective equipment:
General protective and hygienic measures:
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and food.
Do not breathe in dust.

Respiratory protection:
Ensure good ventilation. Breathing in dust, short term: use respiratory filter apparatus, Filter P1.
In case of brief exposure or low pollution use respiratory filter device. In interiors or when maximum limits are exceeded, use Filter type A1 air recycling self-contained respiratory breathing apparatus, with A2 in the case of higher concentrations and longer exposure.

Protection of hands:

Protective gloves

Glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material taking into consideration 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 that protective gloves are in good condition prior to each use.
Due to lack of test data no recommendation regarding 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 once-only use as a short-term protection against 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:	Powder
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not applicable.
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20°C:	3g/cm^3 (room temperature)
Vapour density	Not applicable.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	**Dynamic:** ca. 350 mPas (23°C); **Kinematic:** Not applicable.
Solvent content:	
VOC (EC)	0.0 %
Solids content:	100 %

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: Reacts with water.

10.4 Conditions to avoid: Humidity and water.

10.5 Incompatiblematerials: Water.

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: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Subacute to chronic toxicity: not tested.
Repeated dose toxicity: Based on available data, the classification criteria are not met.
Subacute to chronic toxicity: not tested
Repeated dose toxicity:
Repeated exposure to local irritation is the predominant effect.

Prolonged and / or repeated inhalation of dust may damage respiratory system.
Skin and eye contact with the product and inhalation of product dust / aerosols should be avoided.
CMR effects (carcinogenicity,mutagenicity and toxicity for reproduction): Based on current information known no CMR effects.
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 May cause respiratory irritation.
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:
Invertebrates: Daphnia magna, US EPA method, practically non-toxic
Skin component
Algae / aquatic plants: Selenastrum, US EPA method, very low toxicity
Skin component

12.2 **Persistence and degradability:** Not applicable.
Biodegradation
The method for determining biodegradability is not applicable to inorganic substances.

12.3 **Bioaccumulative potential:** no evidence of hazardous properties.

12.4 **Mobility in soil:** no evidence of hazardous properties.

Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

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:** Possible larger amounts are released in conjunction with harmful effects of water caused by increased pH.

*Section 13: Disposal considerations

13.1 **Waste treatment methods**
The waste is not hazardous. Dispose of in accordance with regulations, after consulting with the relevant local authorities, and in a suitable and licensed facility. Hazardous waste according to Waste Catalogue (EWC).
If recycling is not possible, waste must be removed in compliance with local regulations.

Recommendation

Must not be disposed of with household rubbish. Do not allow product to reach sewage system.

Waste disposal key:
10 13 11
Wastes from the production of cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10.
European Waste Catalogue (EWC): the allocation of waste identity numbers to EWC for specific processing.

Uncleaned packaging:
Recommendation:
Empty contaminated packaging thoroughly. They may be recycled after thorough cleaning. Packaging that cannot be cleaned must be disposed of in the same manner as the product. Non-contaminated packaging can be recycled. Disposal must be made according to official regulations.

*Section 14: Transport information

14.1	**UN-Number** **ADR, ADN, IMDG, IATA**	Void
14.2	**UN proper shipping name** **ADR, ADN, IMDG, IATA**	Void
14.3	**Transport hazard class(es)** **ADR, ADN, IMDG, IATA**	
	Class	Void
14.4	**Packing group** **ADR, IMDG, IATA**	Void
14.5	**Environmental hazards:** **Marine pollutant:**	No
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	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

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

H315 Causes skin irritation
H318 Causes serious eye damage
H335 May cause respiratory irritation

Training hints

Instruction on handling and precautions should be given before first use 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)
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damange/irritation – Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Category 3

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