

Safety Data Sheet

According to 1907/2006/EC, Article 31

STARCOAT PMMA REINFORCED FILLER (2016)

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

1.1 Product identifier

Trade name: STARCOAT PMMA REINFORCED FILLER (2016)

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

 See Section 16

Application of the substance / the mixture Sealing

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



GHS02 flame

Flam. Liq. 2

H225 Highly flammable liquid and vapour.



GHS07

Skin Irrit.2

H315 Causes skin irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

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.

Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard-determining components of labelling:

Methyl methacrylate
2-Ethylhexyl acrylate
Diethanol-p-toluidine
Fatty acid, C 18 - unsaturated, dimers, reaction products
with N, N-dimethyl-1,3-propanediamine

Hazard statements

H225

Highly flammable liquid and vapour

H315

Causes skin irritation

H317

May cause an allergic skin reaction

H335

May cause respiratory irritation

Precautionary statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other
ignition surfaces. - No smoking.

P261

Avoid breathing vapours.

P280

Wear protective gloves/ eye protection.

P303+P361+P353

IF ON SKIN (or HAIR): Take off immediately all contaminated
clothing. Rinse skin with water/shower.

P312

Call a POISON CENTRE/ doctor if you feel unwell.

P403+P235

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

3.1 Mixtures

Description

Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 80-62-6 EINECS: 202-615-1 Reg.nr.: 01-2119452498-28	Methyl methacrylate Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H3355	≥10-≤25%
CAS: 103-11-7 EINECS: 203-080-7 Reg No. 01-2119453158-37	2- Ethylhexyl acrylate Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412	≥10-≤25%
EC number: 911-490-9 Reg.nr.: 01-2119979579-10	Diethanol-p-toluidine Eye Dam. 1, H318 Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412	≥0.1-≤0.5%
CAS: 162627-17-0 Reg.nr.: 01-2119970640-38	Fatty acid, C 18 - unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine Skin Sens. 1, H317	≥0.1-≤0.5%

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

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness
Skin sensitization
Irritant to skin, eyes and respiratory system

4.3 Indication of any immediate medical attention and special treatment needed

After inhalation, even in the absence of signs of illness, give inhaled Corticoid (e.g. Ventolair).

Section 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, sand, extinguishing powder, foam

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO) Nitrogen oxides (NO_x)
Vapours are heavier than air. Creeping vapours can result in inflammation at a distance.

5.3 Advice for firefighters:**Protective equipment**

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

Additional information

Cool endangered receptacles with water spray.
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.

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 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
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

Cool down container when heated. Cool containers exposed to heat with water. Emergency cooling must be provided in the event of an ambient fire. Keep container tightly closed to prevent heat buildup (pressure increase). Avoid heat. Do not refill residue back into storage receptacles.

Ensure good interior ventilation in the workplace (fumes are heavier than air), at least 7-fold air changes per hour. Prevent formation of aerosols.

Information about fire - and explosion protection

Highly volatile, flammable constituents are released during processing.

Keep ignition sources away - Do not smoke. Fumes can combine with air to form an explosive mixture.

Only explosion proof equipment. Protect against electrostatic charges. Protect from heat.

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

Store away from oxidising agents. Store away from foodstuffs.

Further information about storage conditions

Store in cool, dry conditions in well sealed receptacles.

Storage in a collecting room is required.

Store under lock and key and with access restricted to technical experts or their assistants only.

Max storage temperature 30°C.

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:

80-62-6- Methyl methacrylate (10-20%)

WEL

Short-term value: 416 mg/m³, 100 ppm
Long-term value: 208 mg/m³, 50 ppm

DNELs

80-62-6 Methyl methacrylate

Inhalative

DNEL

DNEL (worker)

208 mg/m³ (worker)
210 mg/m³ (Long-term - local effects)
210 mg/m³ (Long-term - systemic effects)
Long-term
74.3 mg/m³ (Long-term - systemic effects)
105 mg/m³ (Long-term - local effects)

DNEL (population)

103-11-7 2-Ethylhexyl acrylate

Dermal

DNEL

242 µg/cm² (Employee / Industrial / Commercial)
Long term and short term

Inhalative

DNEL

37.5 mg/m³ (Employee / Industrial / Commercial) (long term)
38 mg/m³ (human)

Diethanol-p-toluidine		
Dermal	DNEL (worker)	1.4 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	9.8 mg/m ³ (Long-term - systemic effects)
PNECs		
80-62-6 Methyl methacrylate		
PNEC		1.48 mg/kg
PNEC sediment		1.47 mg/kg dw (ground)
		5.74 mg/kg dw (freshwater)
PNEC		10 mg/l
		0.094 mg/l (seawater)
		0.94 mg/l (freshwater)
103-11-72 Ethylhexyl acrylate		
Boden		2.3 mg/l (Soil microorganisms)
		1 mg/l (ground)
PNEC		1 mg/kg
		0.0023 mg/kg (oral intake)
Water		0.126 mg/l (sediment)
		0.002727 mg/l (freshwater)
PNEC		2.3 mg/l
Diethanol-p-toluidine		
PNEC sediment		0.12 mg/kg dw (seawater)
		1.2 mg/kg dw (water)
PNEC		0.005 mg/l (seawater)
		0.048 mg/l (water)

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

Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and food.
Do not inhale gases / fumes / aerosols.

Respiratory protection

Ensure good ventilation.
In case of brief exposure or low pollution use A1 type respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device A2.

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.

General recommendation: The usage time of the protective gloves is approx. 50% of the penetration time measured in the laboratory.

Material of gloves

Butyl rubber gloves - butyl e.g. KCL BUTOJET

Recommended thickness of the material: ≥ 0.7 mm

Breakthrough time: ≥ 480 min

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:	Fluid
Colour:	Various colours
Odour:	Ester-like
Odour threshold:	Not determined
pH-value:	Not determined
	Mixture is non-polar/aprotic.

Changing condition

Freezing point:	Undetermined
Boiling range:	101 °C (MMA)
Flash point:	22 °C (DIN EN ISO 3680)
Flammability:	N/A
Auto-ignition temperature:	252°C (2-EHA)
Decomposition temperature:	Not determined

Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product is not explosive. However, formation of explosive air / vapour mixtures are possible. Not determined.
Explosion limits	
Lower:	1.65 Vol % (MMA)
Upper:	12.5 Vol % (MMA)
Vapour pressure at 20 °C:	38.7 hPa (MMA)
Density:	Not determined
Evaporation rate:	Not determined
Solubility in / Miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	log Pow: 4.29 (2-EHA); (25°C, OECD 107) log Pow: 1.38 (MMA)
Viscosity	
Dynamic at 20 °C:	9000 mPas (EN ISO 2555)
Solvent content	
Organic solvents	≥0.1-<0.2 %
VOC (EC):	≥0.09-<0.15 %
Solids content:	66.2%

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

Exothermic reaction.

Reacts with peroxides and other radical forming substances.

A hazardous polymerization may occur after the exhaustion of the inhibitor.

10.4 Conditions to avoid

Avoid heat and direct sunlight.

10.5 Incompatible materials

Reactions with peroxides and other free-radical generators.

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.

LD/LC50 values relevant for classification:		
21645-51-2 Aluminium hydroxide		
Oral	LC50	>2,000 mg/kg (rat)
	NOAEL	30 mg/kg (rat) chronisch
Inhalative	LC50	7.6 mg/l (rat)
	NOAEC	70 mg/m ³ (rat)
80-62-6 Methyl methacrylate		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
	NOAEL	2,000 ppm (rat) n drinking water, 6-2000 ppm Findings: No toxic effects
Dermal	LD50	>5,000 mg/kg (rat)
	LD50	>5,000 mg/kg (hare)
Inhalative	LC50	>5,000 mg/kg (rabbit)
	LD50	>5,000 mg/kg (hare)
	NOAEL	25 ppm (rat) 25 - 400 ppm Findings: Damage to mucous membranes in the nose at 400 ppm
	LC50/4h	29.8 mg/l (rat)
103-11-7 2-Ethylhexyl acrylate		
Oral	LD50	4,435 mg/kg (rat) (BASF-Test)
	LD50	4,435 mg/kg (rat)
Dermal	LD50	7,522 mg/kg (hare)
	LC50	7,522 mg/kg (hare)
	LD50	7,522 mg/kg (hare)
Diethanol-p-toluidine		
Oral	LD50	500 mg/kg (ATE)

Primary irritant effect

Skin corrosion/irritation

Causes skin irritation and irritability.

Serious eye damage/irritation

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

Respiratory or skin sensitization

May cause an allergic skin reaction.

Other information (about experimental toxicology)

Due to the high vapour pressure a harmful concentration in the air is quickly reached. At high concentrations a narcotic effect can occur.

Subacute to chronic toxicity

Not tested.

Additional toxicological information:

Toxiokinetics, metabolism and distribution

The drug is metabolized rapidly (MMA)

Acute effects (acute toxicity, irritation and corrosivity)**80-62-6 Methyl methacrylate**

Oral	LD50	>5,000 mg/kg (rat)
------	------	--------------------

103-11-7 2-Ethylhexyl acrylate

Oral	LD50	4,435 mg/kg (rat)
------	------	-------------------

Repeated dose toxicity

No data available.

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

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****80-62-6 Methyl methacrylate**

EC3/16h	100 mg/l (<i>Pseudomonas putida</i>) (Cell proliferation inhibition test, Bringmann-Kühn)
EC50/21d	49 mg/l (daphnia)

103-11-7 2-Ethylhexyl acrylate

EC50/21d	0.5 mg/l (daphnia)
----------	--------------------

Aquatic toxicity**21645-51-2 Aluminium hydroxide**

EC50	>100 mg/l (daphnia magna)
LC50	>100 mg/l (<i>Selenastrum capricornutum</i>)
	>100 mg/l (salmon)

80-62-6 Methyl methacrylate

EC50	170 mg/l (aquatic algae and cyanobacteria)
EC50/48h	69 mg/l (daphnia)
LC50/96h	69 mg/l (daphnia magna) (OECD 202)
ErC50/72h	>79 mg/l (aquatic vertebrates - in vivo)
NOEC/72h	>79 mg/l (Rainbow trout) (OECD 203)
NOEC/21d	>110 mg/l (alga)
EC50/72h	>110 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC0	49 mg/l (alga)
NOEC	>110 mg/l (Selenastrum capricornutum) (OECD 201)
	37 mg/l (daphnia)
	>110 mg/l (Selenastrum capricornutum) (OECD 201)
	100 mg/l (escherichia coli)
	9.4 mg/l (Danio rerio) (OECD 210)
	fish early life stage test, 35 days
	37 mg/l (daphnia magna) (OECD 211)
	21 days

103-11-7 2-Ethylhexyl acrylate	
Other (28d)	>1,000 mg/kg (Soil microorganisms) (OECD 217)
	The product has not been tested. The statement has been derived from products of a similar structure or composition.
EC50/48h	1.3 mg/l (daphnia)
	1.3 mg/l (daphnia magna) (OECD-Richtline 202)
LC50/96h	Part 1
	1.81 mg/l (aquatic vertebrates - in vivo)
	1.81 mg/l (fish)
	1.81 mg/l (Rainbow trout) (OECD 203)
ErC50/72h	1.71 mg/l (alga)
NOEC/21d	0.19 mg/l (daphnia)
	0.19 mg/l (daphnia magna)
	The details of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from products of a similar structure or composition.
EC50/72h (static)	1.71 mg/l (scenedesmus subspicatus) (OECD 201)
	The details of the toxic effect relates to the analytically determined concentration.
EC50/72h (static)	1.71 mg/l (scenedesmus subspicatus) (OECD 201)
	The details of the toxic effect relates to the analytically determined concentration

12.2 Persistence and degradability

Easily biodegradable.

Other information

The product is easily biodegradable.

12.3 Bioaccumulative potential

2-EHA

Can be accumulated in organisms

Biocaccumulation potential.

Bioconcentration Factor 282.4 (Calculated).

12.4 Mobility in soil

MMA: A binding to the solid phase of soil, sediment and sewage sludge is not expected. From the water surface the substance is slowly evaporated into the atmosphere.

2-EHA: The product floats on water and does not dissolve. Absorption in soil is not likely.

Additional ecological information:

COD-value: 2-EHA

2-EHA: Theoretical oxygen demand (TOD) = 5.6 g/g

BOD5-value

0.14 g/g (MMA)

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

No further relevant information available.

Section 13: Disposal considerations**13.1 Waste treatment methods**

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.



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

Uncleaned packaging:**Recommendation:**

This product (liquid) and its container must be disposed of as hazardous waste.

Disposal must be made according to official regulations.

Section 14: Transport information**14.1 UN-Number**

ADR, IMDG, IATA

UN1263

14.2 UN proper shipping name

ADR

1263 PAINT

IMDG, IATA

PAINT

14.3 Transport hazard class(es)

ADR



Class

3 (F1) Flammable liquids

Label

3

IMDG, IATA



Class

3 Flammable liquids

Label

3

14.4	Packing group ADR, IMDG, IATA	III
14.5	Environmental hazards: Marine pollutant	No
14.6	Special precautions for user Hazard identification number (Kemler code) EMS No. Stowage category	Warning: Flammable liquids - F-E, S-E A
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
	Transport / Additional information:	
	ADR	
	Limited quantities (LQ)	5L
	Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per inner packaging: 1000ml
	Transport Category:	3
	Tunnel restriction code	E
	Remarks	Classification according to viscosity clause (2.2.3.1.4) > 450 litres Packing group II
	IMDG	
	Limited quantities (LQ)	5L
	Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30ml Maximum net quantity per inner packaging: 1000ml
	Remarks	Classification according to viscosity clause (2.3.2.2) > 450 litres Packing group II
	UN "Model Regulation"	UN 1263 PAINT, 3, III

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.
	Seveso category P5c FLAMMABLE LIQUIDS
	Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
	Qualifying quantity (tonnes) for the application of lower-tier requirements 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Training hints

Training about hazards and precautions must take place before the start of employment and at least annually thereafter.

Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

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

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

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

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

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – 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

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.

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. 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, 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.