

# Safety Data Sheet

According to 1907/2006/EC Article 31

---

## STARCOAT PMMA THIX

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

#### 1.1 Product identifier

**Trade name:** STARCOAT PMMA THIX

#### 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](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



GHS02 flame

Flam. Liq. 2

H226 Flammable liquid and vapour.



GHS07

Skin Irrit. 2

Skin Sens. 1

STOT SE 3

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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** Warning

#### Hazard determining components of labelling:

methyl methacrylate

2-ethylhexyl acrylate

#### Hazard statements

H226

H315

H317

H335

Flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

#### Precautionary statements

P261

P210

P280

P312

P303+P361+P353

P403+P235

Avoid breathing vapours.

Keep away from heat/ sparks/ open flames/ hot surfaces.

No smoking.

Wear protective gloves/ eye protection.

Call a Poison Centre/ doctor if you feel unwell.

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

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 non hazardous additions.

Dangerous components:			
CAS: 80-62-6 EINECS: 201-297-1 Reg no. 01-211945-2498-28	methyl methacrylate	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	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%

**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 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 any sign of illness, give corticoid (eg Ventolair) to be inhaled.

## \*Section 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, 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 (NOx). Vapours are heavier than air.

Creeping vapours can spread far from the ignition.

### 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 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. Keep containers of water near heat sources. Keep container tightly closed to prevent heat build up (pressure rise). Avoid heat.

Do not refill residue into storage receptacles.

Ensure good ventilation/exhaustion at the workplace; 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.  
Fumes can combine with air to form an explosive mixture.

**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 containers.  
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:		
<b>80-62-6 methyl methacrylate (10-&lt;25%)</b>		
WEL		Short-term value: 416 mg/m <sup>3</sup> , 100 ppm Long-term value: 208mg/m <sup>3</sup> , 50 ppm
<b>DNELs</b>		
<b>80-62-6 methyl methacrylate</b>		
Inhalative	DNEL (population)	74.3 mg/m <sup>3</sup> (Long-term - systemic effects) 105 mg/m <sup>3</sup> (Long-term - local effects)
	DNEL (worker)	210 mg/m <sup>3</sup> (Long-term - local effects) 210 mg/m <sup>3</sup> (Long-term - systemic effects) Long-term
<b>103-11-7 2-ethylhexyl acrylate</b>		
Dermal	DNEL	242 µg/cm <sup>2</sup> (Employee / Industrial / Commercial) Long-term and short-term
Inhalative	DNEL	37.5 mg/m <sup>3</sup> (Employee / Industrial / Commercial) (Langzeit)
<b>PNECs</b>		
<b>80-62-6 methyl methacrylate</b>		
PNEC		< 0.094 mg/l (seawater); 0.94 mg/l (freshwater)
PNEC sediment		1.47 mg/kg dw (ground); 5.74 mg/kg dw (freshwater)

**103-11-7 2-ethylhexyl acrylate**

Ground	2.3 mg/l (Soil micro-organisms) 1 mg/l (ground)
PNEC water	0.0023 mg/kg (oral intake) 0.126 mg/l (sediment) 0.002727 mg/l (freshwater)

**Additional information:** The lists valid during the making were used as 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 feed.  
Do not inhale gases / fumes / aerosols.

**Respiratory protection**

Ensure good ventilation.  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
The use of respiratory protective hood is recommended because not wearing time limitations apply.

**Protection of hands**

Butyl rubber gloves - butyl e.g. KCL BUTOJET  
Recommended thickness of the material:  $\geq 0.7$  mm  
Breakthrough time:  $\geq 480$  min  
Preventive skin protection by use of skin-protecting agents is recommended.  
Protective gloves  
After use of gloves apply skin-cleaning agents and skin cosmetics.  
Check protective gloves prior to each use for their proper condition.  
The glove material has to be impermeable and resistant to the product/the substance/the preparation.  
Selection of the glove material must be made on consideration of the penetration times, rates of diffusion and the degradation  
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 therefore has to be checked prior to the application.  
Protective gloves according to EN 374. Suitable material: nitrile.

<b>Penetration time of glove material</b>	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 must be found out from the manufacturer of the protective gloves and must be observed.
<b>For permanent contact in work areas without heightened risk of injury (e.g. Laboratory), gloves made of the following material are suitable</b>	Butyl rubber, BR
<b>For the permanent contact, gloves made of the following materials are suitable</b>	Butyl rubber, BR
<b>Not suitable are gloves made of the following material</b>	Leather
<b>Eye protection</b>	Tightly sealed goggles, EN-Standard: EN 166
<b>Body protection</b>	Protective work clothing

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	Various colours
<b>Odour:</b>	Ester-like
<b>Odour threshold:</b>	Not determined
<b>pH-value:</b>	Not determined

#### Change in condition

<b>Melting point/Melting range:</b>	Undetermined
<b>Boiling point/Boiling range:</b>	101 °C (MMA)
<b>Flash point:</b>	35 °C (DIN EN ISO 3680)
<b>Ignition temperature:</b>	252 °C (2-EHA)

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

#### Explosion limits:

<b>Lower:</b>	1.7 Vol % (MMA)
<b>Upper:</b>	12.5 Vol % (MMA)

**Vapour pressure at 20 °C:** 38.7 hPa (MMA)

**Density at 20 °C:** 1.21 g/cm<sup>3</sup> (EN ISO 2811-1)

**Evaporation rate** No data available.

**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:** 5000 mPas (EN ISO 2555)**Solvent content:****Organic solvents:** 0.1 %**VOC (EC)** 0.09 %**Solids content:** 66.0 %**9.2 Other information** No further relevant information available.**Section 10: Stability and reactivity****10.1 Reactivity see Section 10.2****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. Avoid direct sunlight.****10.5 Incompatible materials:** Reaction 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 available for the workplace.

**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:****ATE (Acute Toxicity Estimates)**

Inhalative	LC50/4h	>444 mg/l (rat)
------------	---------	-----------------

**80-62-6 methyl methacrylate**

Oral	LD50 NOAEL	> 5000 mg/kg (rat) (OECD 401) 2000 ppm (rat) n drinking water, 6-2000 ppm Findings: No toxic effects
Dermal	LC50	> 5000 mg/kg (rabbit)
Inhalative	LC50/4h  NOAEL	29.8 mg/l (rat) 25 ppm (rat) 25 - 400 ppm Findings: Damage to mucous membranes in the nose at 400 ppm

**21645-51-2 aluminium hydroxide**

Oral	LD50 NOAEL	> 2000 mg/kg (rat) 30 mg/kg (rat) chronic
Inhalative	LC50 NOAEC	7.6 mg/l (rat) 70 mg/m <sup>3</sup> (rat)



**103-11-7 2-ethylhexyl acrylate**

Oral	LD50	4435 mg/kg (rat) (BASF-Test)
Dermal	LC50	7520 mg/kg (hare)

**Primary irritant effect:****Skin corrosion/irritation** Causes skin irritation**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** 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.  
High concentrations can have a narcotic effect.

**Subacute to chronic toxicity:** Not tested.**Toxicokinetics, metabolism and distribution** The drug is metabolized rapidly (MMA).**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 methylethyl acetate**

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

**Aquatic toxicity:****80-62-6 methylethyl acetate**

EC50/48h	69 mg/l ( <i>daphnia magna</i> ) (OECD 202)
EC50/72h	> 110 mg/l ( <i>Selenastrum capricornutum</i> ) (OECD 201)
ErC50/72h	> 110 mg/l ( <i>Pseudokirchneriella subcapitata</i> ) (OECD 201)
LC50/96h	> 79 mg/l (Rainbow trout) (OECD 203)

NOEC	9.4 mg/l (Danio rerio) (OECD 210) fish early life stage test, 35 days 37 mg/l (daphnia magna) (OECD 211) 21 days
NOEC/72h	> 110 mg/l (Selenastrum capricornutum) (OECD 201)
<b>21645-51-2 aluminium hydroxide</b>	
EC50	> 100 mg/l (daphnia magna)
LC50	> 100 mg/l (Selenastrum capricornutum) > 100 mg/l (Salmo trutta)
<b>103-11-7 2-ethylhexyl acrylate</b>	
EC50/48h (static) ErC50/72h (static)	1.3 mg/l (daphnia magna) (OECD 202, Part 1) 1.71 mg/l (scenedesmus subspicatus) (OECD 201) The details of the toxic effect relates to the analytically determined concentration.
LC50/96h (static) NOEC/21d	1.81 mg/l (Rainbow trout) (OECD 203) 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.
other (28d)	> 1000 mg/kg (Soil microorganisms) (OECD 217) This product has not been tested. The statement has been derived from products of a similar structure or composition.

**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.

Bioaccumulation 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 on soil is not likely.

#### **Additional ecological information:**

**COD-value:** 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

### 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 (EW C). If recycling is not possible, waste must be removed in compliance with local regulations.

#### Recommendation

Uncured product residues are special waste.  
Cured product residues are not hazardous waste.



Must not be disposed of with household rubbish. 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

#### Uncleaned packaging:

##### Recommendation:

This material and its container must be disposed of as hazardous waste. Disposal must be made according to official regulations.

## Section 14: Transport information

<b>14.1</b>	<b>UN-Number</b>	
	<b>ADR, ADN, IMDG</b>	Void
	<b>IATA</b>	UN1263
<b>14.2</b>	<b>UN proper shipping name</b>	
	<b>ADR, ADN, IMDG</b>	Void
	<b>IATA</b>	PAINT
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	<b>ADR, ADN, IMDG</b>	
	<b>Class</b>	Void
	<b>IATA</b>	
		
	<b>Class</b>	3 Flammable liquids.
	<b>Label</b>	3
<b>14.4</b>	<b>Packing group</b>	
	<b>ADR, IMDG</b>	Void
	<b>IATA</b>	III

<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR</b>	
<b>Remarks:</b>	> 450 l: 3 F1, III (2.2.3.1.5)
<b>IMDG</b>	
<b>Remarks:</b>	> 30 l: 3, III (2.3.2.5)
<b>UN "Model Regulation":</b>	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.**
- Seveso category P5c:** Flammable liquids  
**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000t  
**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000t  
**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.

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.

### 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

### Relevant phrases

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

## Training hints

Instruction 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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

## Sources

[www.gestis.de](http://www.gestis.de)

[www.echa.eu](http://www.echa.eu)

[logkow.cisti.nrc.ca](http://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.

## 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.