



## SAFETY DATA SHEET

### VERSAPOX GR HARDENER

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier

Product Name VERSAPOX GR HARDENER  
CAS No. Not applicable.  
EC No. Not applicable.  
REACH Registration No. Not known.

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

Identified Use(s) Refer to Technical Data Sheet.  
Uses Advised Against For professional use only.

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

Manufacturer  
Company Identification Advanced Barrier Coatings Limited  
Address of Manufacturer Commissioners Quay  
Quay Road  
Blyth  
Northumberland  
Postal code NE24 3AG  
Telephone: +44 (0) 1670 338414  
Fax Not known.  
E-mail info@advancedbarriercoatings.com  
Office hours

Supplier  
Company Identification Advanced Barrier Coatings Limited  
Address of Supplier Commissioners Quay  
Quay Road  
Blyth  
Northumberland  
Postal code NE24 3AG  
Telephone: +44 (0) 1670 338414  
Fax Not known.  
E-mail info@advancedbarriercoatings.com  
Office hours

##### 1.4 Emergency telephone number

Emergency Phone No. +44 (0) 1670 338414  
Contact No information available.  
National response center  
Address National Poisons Information Service (Birmingham Centre)  
City Hospital  
Dudley Road,  
Birmingham,  
United Kingdom  
Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111



## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)      Acute Tox. 4 :Harmful if swallowed.  
Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.  
Eye Dam. 1 :Causes serious eye damage.  
Repr. 2 :Suspected of damaging fertility.  
Skin Corr. 1B :Causes severe skin burns and eye damage.  
Skin Sens. 1B :May cause an allergic skin reaction.

### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name

Versapox GR Hardener

Hazard Pictogram(s)



GHS05



GHS08



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H361f: Suspected of damaging fertility.  
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P201: Obtain special instructions before use.  
P260: Do not breathe vapour.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3 Other hazards

None known.

### 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures



HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
4-tert-butylphenol	98-54-4	202-679-0 01-2119489419-21-XXXX	≤20	Skin Irrit. 2 H315 Eye Dam. 1 H318 Repr. 2 H361f	GHS05 GHS08
m-phenylenebis(methylamine)	1477-55-0	216-032-5 01-2119480150-50-XXXX	≤20	Acute Tox. 4 H302 Skin Corr. 1B H314 Skin Sens. 1B H317 Acute Tox. 4 H332 Aquatic Chronic 3 H412	GHS05 GHS07
nonylphenol	25154-52-3	246-672-0	≤10	Acute Tox. 4 H302 Skin Corr. 1B H314 Repr. 2 H361fd Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS05 GHS08 GHS07 GHS09

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

##### 4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

##### 4.3 Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention.

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable Extinguishing media	Foam, CO2 or dry powder.
Unsuitable extinguishing media	None. Do not use water jet.

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

Heat is liberated when this product is mixed with Versapox HS 100 Base.  
Decomposes in a fire giving off toxic fumes: Carbon monoxide, Oxides of nitrogen .

##### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES



## 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe vapour. Wear appropriate personal protective equipment, avoid direct contact. Contaminated work clothing should not be allowed out of the workplace.

## 6.2 Environmental precautions

Avoid release to the environment.

## 6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

## 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Avoid breathing vapours. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.

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

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

### 7.3 Specific end use(s)

Coatings

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

### 8.2 Exposure controls

#### 8.2.1. Appropriate engineering controls

Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

#### 8.2.3. Environmental Exposure Controls

Avoid release to the environment.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid. : Viscous Liquid Colour : Dependent upon pigmentation.
Odour	Aromatic.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	>61°C [Closed cup]
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	1.24@ 20°C
Solubility(ies)	Solubility (Water) : Insoluble but partially emulsifiable in water. Solubility (Other) : Most organic solvents.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

Heat and direct sunlight.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Harmful if swallowed.
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Acute toxicity - Skin Contact	Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1666.67000
Acute toxicity - Inhalation	Not classified.
	Not classified.
	Calculated acute toxicity estimate (ATE) Calc ATE - 55.00000
Skin corrosion/irritation	Calculation method : Causes severe skin burns and eye damage.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Self classification: Suspected of damaging fertility.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
<b>11.2 Other information</b>	
	Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

### 12.2 Persistence and Degradation

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### 12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste.

### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

UN No. 3066

### 14.2 UN proper shipping name



UN proper shipping name PAINT RELATED MATERIAL

## 14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	8
ADR Classification Code	C9
Special Provisions	163 367
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	2X
Mixed Packing Instructions for Packages	P001 IBC03 R001
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	L4BN
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	3
Tunnel Restriction Code	E
Special Provisions for Carriage -	V12

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading,

Unloading and Handling

Special Provisions for Carriage -

Operation

ADR HIN	80
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IMDG

IMDG Class	8
Special Provisions	163 367
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 R001
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-A, S-B
Stowage and Handling	Category A SW2

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name PAINT RELATED MATERIAL

Excepted Quantities	E1
Passenger and Cargo Aircraft Limited	Y841
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	1L
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	852
Instructions	
Passenger and Cargo Aircraft Max net	5L
Qty	





Cargo Aircraft Packing Instructions	856
Cargo Aircraft Max net Qty	60L
Special Provisions	A3 A72 A192 A803
Emergency Response Guidebook (ERG)	8L
Code	
Labels	
Labels	8



#### 14.4 Packing group

Packing group	III
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#### 14.5 Environmental hazards

Environmental hazards	Classified as a Marine Pollutant.
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#### 14.6 Special precautions for user

Special precautions for user	Not known.
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#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

### SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation	Not listed
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REACH: ANNEX XIV list of substances

Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Diphenylether, octabromo derivative C <sub>12</sub> H <sub>2</sub> Br <sub>8</sub> O - Nonylphenol C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub> (25154-52-3)
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Community Rolling Action Plan (CoRAP)	4-tert-butylphenol (98-54-4)
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Regulation (EC) N° 850/2004 of the European Parliament and of the Council	Not listed
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on persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
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Regulation (EU) N° 649/2012 of the European Parliament and of the Council

concerning the export and import of hazardous chemicals	Nonylphenols C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub> (25154-52-3)
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concerning the export and import of hazardous chemicals

concerning the export and import of hazardous chemicals

hazardous chemicals

#### National regulations

Other	Not known.
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15.2 Chemical Safety Assessment	Not applicable.
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### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

#### LEGEND

Hazard Pictogram(s)







	GHS05	GHS08	GHS07	GHS09
Hazard classification	Acute Tox. 4 : Acute toxicity, Category 4 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3 Eye Dam. 1 : Serious eye damage/irritation, Category 1 Repr. 2 : Reproductive toxicity, Category 2 Skin Corr. 1B : Skin corrosion/irritation, Category 1B Skin Irrit. 2 : Skin corrosion/irritation, Category 2 Skin Sens. 1B : Skin sensitization, Category 1B			
Hazard Statement(s)	H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H332: Harmful if inhaled. H361f: Suspected of damaging fertility. H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.			
Precautionary Statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe vapour. P261: Avoid breathing vapours. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352: IF ON SKIN: Wash with plenty of water. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice/attention.			



P310: Immediately call a POISON CENTER/doctor.

P321: Specific treatment (see on this label).

P330: Rinse mouth.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

## Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

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