



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



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.



Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1666.67000

Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	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.

11.2 Other information

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

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	

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14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

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 Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the Diphenylether, octabromo derivative C₁₂H₂Br₈O - NonylphenolC₆H₄(OH)C₉H₁₉
manufacture, placing on the market and (25154-52-3)

use of certain dangerous substances,

mixtures and articles

Community Rolling Action Plan (CoRAP) 4-tert-butylphenol (98-54-4)

Regulation (EC) N° 850/2004 of the Not listed

European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Nonylphenols C₆H₄(OH)C₉H₁₉ (25154-52-3)

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

National regulations

Other Not known.

15.2 Chemical Safety Assessment

Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

LEGEND

Hazard Pictogram(s)





Hazard classification

GHS05

GHS08

GHS07

GHS09

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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