

# Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 13

SDS No.: 231423

V001.0 Revision: 23.04.2018

printing date: 22.02.2019 Replaces version from: -

PP MARINE FILLER 180ML EN

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

#### 1.1. Product identifier

PP MARINE FILLER 180ML EN

#### **Contains:**

Styrene

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

Intended use: 2K Filler paste

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

Henkel Ltd Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000 Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

# 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

#### Classification (CLP):

Flammable liquids Category 3

H226 Flammable liquid and vapor.

Skin irritation Category 2

H315 Causes skin irritation.

Serious eye irritation Category 2

H319 Causes serious eye irritation.

Toxic to reproduction Category 2

H361d Suspected of damaging the unborn child.

Specific target organ toxicity - repeated exposure Category 1

H372 Causes damage to organs through prolonged or repeated exposure.

#### 2.2. Label elements

# Label elements (CLP):

Hazard pictogram:



Signal word: Danger

**Hazard statement:** H226 Flammable liquid and vapor.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation. H319 Causes serious eye irritation.

**Precautionary statement:** P102 Keep out of reach of children.

**Precautionary statement:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**Prevention** No smoking.

P261 Avoid breathing vapours.

P280 Wear protective gloves/protective clothing.

**Precautionary statement:** P302+P352 IF ON SKIN: Wash with plenty of soap and water. **Response** P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary statement:** P403+P235 Store in a well-ventilated place. Keep cool.

Storage

# 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

# **SECTION 3: Composition/information on ingredients**

# 3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Styrene	202-851-5	10- 20 %	Flam. Liq. 3
100-42-5	01-2119457861-32	10 20 70	H226
			Acute Tox. 4
			H332
			Asp. Tox. 1
			H304
			Eye Irrit. 2
			H319
			Skin Irrit. 2
			H315
			STOT RE 1; Inhalation
			H372
			Repr. 2
			H361d
			Aquatic Chronic 3
			H412
			STOT SE 3
			H335

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eve contact

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

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

See section: Description of first aid measures

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media:

water, carbon dioxide, foam, powder

# Extinguishing media which must not be used for safety reasons:

High pressure waterjet

# 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released. Oxides of carbon, oxides of nitrogen, irritating organic vapors.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

#### **Additional information:**

In case of fire, keep containers cool with water spray., Do not inhale vapors and fumes.

# **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

Remove sources of ignition.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Wear protective equipment.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

# 6.3. Methods and material for containment and cleaning up

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

For small spills wipe up with paper towel and place in container for disposal.

Wash spillage site thoroughly with soap and water or detergent solution.

Dispose of contaminated material as waste according to Section 13.

# 6.4. Reference to other sections

See advice in section 8

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Do not inhale vapors and fumes. Avoid skin and eye contact. Keep away from sources of ignition - no smoking. Use only in well-ventilated areas. See advice in section 8

# Hygiene measures:

Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.

# 7.2. Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition. Store in a cool, well-ventilated place. Refer to Technical Data Sheet

# 7.3. Specific end use(s)

2K Filler paste

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# **Occupational Exposure Limits**

Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC, RESPIRABLE DUST]		1	Time Weighted Average (TWA):		EH40 WEL
Styrene 100-42-5 [STYRENE]	250	1.080	Short Term Exposure Limit (STEL):		EH40 WEL
Styrene 100-42-5 [STYRENE]	100	430	Time Weighted Average (TWA):		EH40 WEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, TOTAL INHALABLE]		10	Time Weighted Average (TWA):		EH40 WEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, RESPIRABLE]		4	Time Weighted Average (TWA):		EH40 WEL

# **Occupational Exposure Limits**

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC, TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL
Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC, RESPIRABLE DUST]		0,8	Time Weighted Average (TWA):		IR_OEL
Styrene 100-42-5 [STYRENE]	20	85	Time Weighted Average (TWA):		IR_OEL
Styrene 100-42-5 [STYRENE]	40	170	Short Term Exposure Limit (STEL):		IR_OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		IR_OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL

# $\label{eq:predicted} \textbf{Predicted No-Effect Concentration (PNEC):}$

Name on list	Environmental Compartment	Exposure period	Value		Remarks		
			mg/l	ppm	mg/kg	others	
Styrene 100-42-5	aqua (freshwater)		0,028 mg/l				
Styrene 100-42-5	aqua (marine water)		0,014 mg/l				
Styrene 100-42-5	aqua (intermittent releases)		0,04 mg/l				
Styrene 100-42-5	sewage treatment plant (STP)		5 mg/l				
Styrene 100-42-5	sediment (freshwater)				0,614 mg/kg		
Styrene 100-42-5	sediment (marine water)				0,307 mg/kg		
Styrene 100-42-5	soil				0,2 mg/kg		
Styrene 100-42-5	Air						
Styrene 100-42-5	Predator						

# **Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Styrene 100-42-5	Workers	Inhalation	Acute/short term exposure - systemic effects		289 mg/m3	
Styrene 100-42-5	Workers	Inhalation	Acute/short term exposure - local effects		306 mg/m3	
Styrene 100-42-5	Workers	dermal	Long term exposure - systemic effects		406 mg/kg	
Styrene 100-42-5	Workers	Inhalation	Long term exposure - systemic effects		85 mg/m3	
Styrene 100-42-5	General population	Inhalation	Acute/short term exposure - systemic effects		174,25 mg/m3	
Styrene 100-42-5	General population	Inhalation	Acute/short term exposure - local effects		182,75 mg/m3	
Styrene 100-42-5	General population	dermal	Long term exposure - systemic effects		343 mg/kg	
Styrene 100-42-5	General population	Inhalation	Long term exposure - systemic effects		10,2 mg/m3	
Styrene 100-42-5	General population	oral	Long term exposure - systemic effects		2,1 mg/kg	

# **Biological Exposure Indices:** None

# 8.2. Exposure controls:

Engineering controls: Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly

ventilated area

Filter type: A (EN 14387)

#### Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

#### Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing. Protective eye equipment should conform to EN166.

#### Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Appearance

grey

Odor characteristic

Odour threshold No data available / Not applicable

рΗ No data available / Not applicable Melting point No data available / Not applicable Solidification temperature No data available / Not applicable

Initial boiling point  $> 100,0 \, ^{\circ}\text{C} \, (> 212 \, ^{\circ}\text{F})$ 

Flash point 32 °C (89.6 °F); Supplier method Evaporation rate No data available / Not applicable Flammability No data available / Not applicable No data available / Not applicable Explosive limits Vapour pressure No data available / Not applicable Relative vapour density: No data available / Not applicable

1,2000 g/cm3 Density

(23 °C (73.4 °F))

Bulk density No data available / Not applicable No data available / Not applicable Solubility Insoluble

Solubility (qualitative)

(Solvent: Water)

Partition coefficient: n-octanol/water No data available / Not applicable Auto-ignition temperature No data available / Not applicable Decomposition temperature No data available / Not applicable No data available / Not applicable Viscosity Viscosity (kinematic) No data available / Not applicable No data available / Not applicable Explosive properties

Oxidising properties

No data available / Not applicable

#### 9.2. Other information

No data available / Not applicable

max. VOC content: 208,8 g/l

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

None if used properly.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

#### 10.4. Conditions to avoid

Stable under normal conditions of storage and use. Heat, flames, sparks and other sources of ignition.

# 10.5. Incompatible materials

None if used properly.

# 10.6. Hazardous decomposition products

carbon oxides.

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

# Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Styrene	LD50	6.600 - 8.000	rat	not specified
100-42-5		mg/kg		

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Styrene	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
100-42-5				

#### Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Styrene	LC50	11,8 mg/l	vapour	4 h	rat	not specified
100-42-5						

#### Skin corrosion/irritation:

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

No substance data available.

# Serious eye damage/irritation:

No data available.

# Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result	Test type	Species	Method
CAS-No.				
Styrene	not sensitising	Guinea pig maximisation	guinea pig	Magnusson and Kligman Method
100-42-5		test		

# Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Styrene 100-42-5	positive	sister chromatid exchange assay in mammalian cells	with and without		OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Styrene 100-42-5	negative	inhalation: vapour		mouse	not specified

# Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
Styrene 100-42-5	not carcinogenic	inhalation: vapour	104 w 6 h/d, 5 d/w	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

# Reproductive toxicity:

No data available.

# STOT-single exposure:

No data available.

# STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Styrene 100-42-5	NOAEL 1.000 mg/kg	oral: gavage	daily (5 d/w)	rat	not specified

# **Aspiration hazard:**

No data available.

# **SECTION 12: Ecological information**

#### **General ecological information:**

Do not empty into drains / surface water / ground water.

#### 12.1. Toxicity

# Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Styrene	LC50	4,02 mg/l	96 h	Pimephales promelas	EU Method C.1 (Acute
100-42-5					Toxicity for Fish)

# Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Styrene	EC50	4,7 mg/l	48 h	Daphnia magna	OECD Guideline 202
100-42-5					(Daphnia sp. Acute
					Immobilisation Test)

# Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Styrene	NOEC	1,01 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia
100-42-5					magna, Reproduction Test)

# Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Styrene	EC10	0,28 mg/l	96 h	Selenastrum capricornutum	EPA OTS 797.1050 (Algal
100-42-5				(new name: Pseudokirchneriella	Toxicity, Tiers I and II)
				subcapitata)	
Styrene	EC50	6,3 mg/l	96 h	Selenastrum capricornutum	EPA OTS 797.1050 (Algal
100-42-5				(new name: Pseudokirchneriella	Toxicity, Tiers I and II)
				subcapitata)	

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Styrene	EC50	500 mg/l	30 min	activated sludge of a	OECD Guideline 209
100-42-5				predominantly domestic sewage	(Activated Sludge,
					Respiration Inhibition Test)

# 12.2. Persistence and degradability

The product is not biodegradable.

Hazardous substances	Result	Test type	Degradability	Exposure	Method
CAS-No.				time	
Styrene	readily biodegradable	aerobic	70,9 %	28 d	ISO DIS 9408 (Ultimate Aerobic
100-42-5					BiodegradabilityMethod by
					Determining the Oxygen Demand
					in a Closed Respirometer)
Styrene	inherently biodegradable	aerobic	100 %	14 d	OECD Guideline 302 C (Inherent
100-42-5					Biodegradability: Modified MITI
					Test (II))

#### 12.3. Bioaccumulative potential

No data available for the product.

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
Styrene	74				other guideline:
100-42-5					

# 12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances	LogPow	Temperature	Method
CAS-No.			
Styrene	2,96	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake
100-42-5			Flask Method)

#### 12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Styrene	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
100-42-5	Bioaccumulative (vPvB) criteria.

#### 12.6. Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product disposal:

Incineration under controlled conditions is recommended.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

### Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

# **SECTION 14: Transport information**

# 14.1. UN number

ADR	2055
RID	2055
ADN	2055
IMDG	2055
IATA	2055

# 14.2. UN proper shipping name

ADR	STYRENE MONOMER, STABILIZED (solution)
RID	STYRENE MONOMER, STABILIZED (solution)
ADN	STYRENE MONOMER, STABILIZED (solution)
IMDG	STYRENE MONOMER, STABILIZED (solution)
IATA	Styrene monomer, stabilized (solution)

# 14.3. Transport hazard class(es)

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

# 14.4. Packing group

ADR	III
RID	III
ADN	III
IMDG	III
IATA	III

# 14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

#### 14.6. Special precautions for user

ADR	not applicable
	Tunnelcode: (D/E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

When transporting as a set (component A and B) then the following dangerous good classification is used: UN 3269 Polyester resin kit, 3, III.

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

# **SECTION 15: Regulatory information**

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

**VOC Paints and Varnishes (EU):** 

Product (sub)category: B(b) Bodyfiller/stopper

Phase I (from 1.1.2007): 208,8 g/l max. VOC content: 208,8 g/l

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

# **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

#### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.



# Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 15

SDS No.: 205010

V001.0 Revision: 23.04.2018

printing date: 22.02.2019

Replaces version from: 15.02.2017

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

#### 1.1. Product identifier

PP MARINE FILLER 180ML EN

PP MARINE FILLER 180ML EN

#### Contains

Dibenzoyl peroxide

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

Intended use:

hardener component

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

Henkel Ltd

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000 Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

# **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

# Classification (CLP):

Organic peroxides Type E

H242 Heating may cause a fire.

Serious eye irritation Category 2

H319 Causes serious eye irritation.

Skin sensitizer Category 1

H317 May cause an allergic skin reaction.

Acute hazards to the aquatic environment Category 1

H400 Very toxic to aquatic life.

Chronic hazards to the aquatic environment Category 1

H410 Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

#### Label elements (CLP):

Hazard pictogram:



Signal word: Warning

**Hazard statement:** H242 Heating may cause a fire.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statement:** "\*\*\*For consumer use only: P101 If medical advice is needed, have product

container or label at hand. P102 Keep out of reach of children. P501 Dispose of waste and

residues in accordance with local authority requirements\*\*\*

**Precautionary statement:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

**Prevention** No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

**Response** P337+P313 If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### General chemical description:

Hardener

# Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EC Number	content	Classification
CAS-No.	REACH-Reg No.		
Dibenzoyl peroxide	202-327-6	50- 54 %	Org. Perox. B
94-36-0	01-2119511472-50		H241
			Eye Irrit. 2
			H319
			Skin Sens. 1
			H317
			Aquatic Acute 1
			H400
			Aquatic Chronic 1
			H410
			M factor (Acute Aquat Tox): 10 M factor
			(Chron Aquat Tox): 10
Oxydipropyl dibenzoate	248-258-5	20- 25 %	Aquatic Chronic 3
27138-31-4	01-2119529241-49		H412

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Immediately wash skin thoroughly with soap and water.

Eve contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical advice.

Ingestion

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Seek medical advice.

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

EYE: Irritation, conjunctivitis.

SKIN: Rash, Urticaria.

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

See section: Description of first aid measures

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media:

water, carbon dioxide, foam, powder

#### Extinguishing media which must not be used for safety reasons:

None known

# 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released. Irritating vapours.

# **5.3.** Advice for firefighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

# **Additional information:**

In case of fire, keep containers cool with water spray., Do not inhale vapors and fumes.

# **SECTION 6: Accidental release measures**

# 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

Remove sources of ignition.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

#### 6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Wash spillage site thoroughly with soap and water or detergent solution.

Dispose of contaminated material as waste according to Section 13.

# **6.4.** Reference to other sections

See advice in section 8

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Do not inhale vapors and fumes.

Avoid skin and eye contact.

Use only in well-ventilated areas.

Keep away from sources of ignition - no smoking.

See advice in section 8

Avoid open flames and sources of ignition.

No smoking.

# Hygiene measures:

Good industrial hygiene practices should be observed.

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

# 7.2. Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition.

Store in a cool, well-ventilated place.

Refer to Technical Data Sheet

# 7.3. Specific end use(s)

hardener component

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# **Occupational Exposure Limits**

Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Dibenzoyl peroxide 94-36-0 [DIBENZOYL PEROXIDE]		5	Time Weighted Average (TWA):		EH40 WEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, INHALABLE DUST]		20	Short Term Exposure Limit (STEL):		EH40 WEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, INHALABLE DUST]		10	Time Weighted Average (TWA):		EH40 WEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		EH40 WEL

# **Occupational Exposure Limits**

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Dibenzoyl peroxide 94-36-0 [DIBENZOYL PEROXIDE]		5	Time Weighted Average (TWA):		IR_OEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		IR_OEL
Zinc distearate 557-05-1 [ZINC DISTEARATE, TOTAL INHALABLE DUST]		20	Short Term Exposure Limit (STEL):		IR_OEL

# **Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental	Exposure	Value		Remarks		
	Compartment	period					
			mg/l	ppm	mg/kg	others	
Dibenzoyl peroxide	aqua		0,000602				
94-36-0	(freshwater)		mg/l				
Dibenzoyl peroxide	aqua (marine		0,00006				
94-36-0	water)		mg/l				
Dibenzoyl peroxide	aqua		0,000602				
94-36-0	(intermittent		mg/l				
	releases)						
Dibenzoyl peroxide	sewage		0,35 mg/l				
94-36-0	treatment plant						
	(STP)						
Dibenzoyl peroxide	sediment				0,338		
94-36-0	(freshwater)				mg/kg		
Dibenzoyl peroxide	soil				0,0758		
94-36-0					mg/kg		
Dibenzoyl peroxide	oral				6,67 mg/kg		
94-36-0							
Oxydipropyl dibenzoate	aqua		0,0037				
27138-31-4	(freshwater)		mg/l				
Oxydipropyl dibenzoate	aqua (marine		0,00037				
27138-31-4	water)		mg/l				
Oxydipropyl dibenzoate	aqua		0,037 mg/l				
27138-31-4	(intermittent						
	releases)						
Oxydipropyl dibenzoate	sediment				1,49 mg/kg		
27138-31-4	(freshwater)						
Oxydipropyl dibenzoate	sediment				0,149		
27138-31-4	(marine water)				mg/kg		
Oxydipropyl dibenzoate	soil				1 mg/kg		
27138-31-4							
Oxydipropyl dibenzoate	sewage		10 mg/l				
27138-31-4	treatment plant						
	(STP)			<u>1                                      </u>			
Oxydipropyl dibenzoate	oral				333 mg/kg		
27138-31-4							
Oxydipropyl dibenzoate	Air						
27138-31-4							

# **Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Dib	Workers		I 4	1 ime	11.75/2	
Dibenzoyl peroxide 94-36-0	workers	Inhalation	Long term		11,75 mg/m3	
94-30-0			exposure - systemic effects			
5	*** 1	<u> </u>	-			
Dibenzoyl peroxide	Workers	dermal	Long term		6,6 mg/kg	
94-36-0			exposure -			
			systemic effects			
Dibenzoyl peroxide	General	Inhalation	Long term		2,9 mg/m3	
94-36-0	population		exposure -			
			systemic effects			
Dibenzoyl peroxide	General	dermal	Long term		3,3 mg/kg	
94-36-0	population		exposure -			
			systemic effects			
Dibenzoyl peroxide	General	oral	Long term		1,65 mg/kg	
94-36-0	population		exposure -			
			systemic effects			
Oxydipropyl dibenzoate	Workers	dermal	Acute/short term		170 mg/kg	
27138-31-4			exposure -			
			systemic effects			
Oxydipropyl dibenzoate	Workers	Inhalation	Acute/short term		35,08 mg/m3	
27138-31-4	Workers	Immunution	exposure -		55,00 mg ms	
27130 31 1			systemic effects			
Oxydipropyl dibenzoate	Workers	Inhalation	Long term		8,8 mg/m3	
27138-31-4	Workers	Illiaiation	exposure -		0,0 mg/m3	
2/130-31-4			systemic effects			
Oxydipropyl dibenzoate	Workers	dermal	Long term		10 mg/kg	
27138-31-4	WOIKEIS	dermai	exposure -		10 mg/kg	
2/136-31-4			systemic effects			
O1:1 1:h	General	41	Acute/short term		00 /1	
Oxydipropyl dibenzoate 27138-31-4		dermal	exposure -		80 mg/kg	
2/138-31-4	population					
0 1 111	G 1	T 1 1	systemic effects		0.7. / 2	
Oxydipropyl dibenzoate	General	Inhalation	Acute/short term		8,7 mg/m3	
27138-31-4	population		exposure -			
			systemic effects			
Oxydipropyl dibenzoate	General	oral	Acute/short term		80 mg/kg	
27138-31-4	population		exposure -			
			systemic effects			
Oxydipropyl dibenzoate	General	dermal	Long term		0,22 mg/kg	
27138-31-4	population		exposure -			
			systemic effects			
Oxydipropyl dibenzoate	General	Inhalation	Long term		8,69 mg/m3	
27138-31-4	population		exposure -			
			systemic effects			
Oxydipropyl dibenzoate	General	oral	Long term		5 mg/kg	
27138-31-4	population		exposure -			
	* *		systemic effects			

# **Biological Exposure Indices:**

None

# 8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

#### Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

#### Eye protection:

Protective eye equipment should conform to EN166.

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

#### Skin protection:

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Wear suitable protective clothing.

#### Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Appearance paste

paste white

Odor Faint

Odour threshold No data available / Not applicable

pH No data available / Not applicable
Melting point No data available / Not applicable
Solidification temperature No data available / Not applicable

Initial boiling point Not applicable

 $\begin{array}{ll} \mbox{Flash point} & \mbox{51 °C (123.8 °F); Supplier method} \\ \mbox{Evaporation rate} & \mbox{No data available / Not applicable} \\ \mbox{Flammability} & \mbox{No data available / Not applicable} \\ \end{array}$ 

Explosive limits Not determined

Vapour pressure No data available / Not applicable Relative vapour density: No data available / Not applicable

Density 1,2000 g/cm3

(20 °C (68 °F))

Bulk density

No data available / Not applicable

Solubility

No data available / Not applicable

Solubility (qualitative) Partially soluble

(20 °C (68 °F); Solvent: Water)

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

No data available / Not applicable
Viscosity (kinematic)

No data available / Not applicable

Viscosity (kinematic)

Explosive properties

No data available / Not applicable

No data available / Not applicable

Oxidising properties

No data available / Not applicable

# 9.2. Other information

No data available / Not applicable

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Reaction with reducing agents.

Heavy metals.

Reacts with acids.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

See section reactivity

#### 10.4. Conditions to avoid

Heat, flames, sparks and other sources of ignition.

Store away from incompatible materials.

Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately.

# 10.5. Incompatible materials

See section reactivity.

# 10.6. Hazardous decomposition products

None if used for intended purpose.

# **SECTION 11: Toxicological information**

# General toxicological information:

Prolonged or repeated contact may cause skin irritation.

# 11.1. Information on toxicological effects

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Dibenzoyl peroxide 94-36-0	LD50	> 5.000 mg/kg	rat	not specified
Oxydipropyl dibenzoate 27138-31-4	LD50	3.914 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

# Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Oxydipropyl dibenzoate 27138-31-4	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

# Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Test atmosphere	Exposure	Species	Method
CAS-No.	type			time		
Dibenzoyl peroxide 94-36-0	LC50	> 24,3 mg/l	vapour	4 h	rat	not specified
Oxydipropyl dibenzoate 27138-31-4	LC50	> 200 mg/l	dust/mist	4 h	rat	not specified

#### Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

#### Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

# Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Dibenzoyl peroxide 94-36-0	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Oxydipropyl dibenzoate 27138-31-4	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

# Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of	Metabolic activation /	Species	Method
CAS-NO.		administration			
			Exposure time		
Oxydipropyl dibenzoate	negative	bacterial reverse	with and without		OECD Guideline 471
27138-31-4		mutation assay (e.g			(Bacterial Reverse Mutation
		Ames test)			Assay)
Oxydipropyl dibenzoate	negative	in vitro mammalian	with and without		OECD Guideline 473 (In vitro
27138-31-4		chromosome			Mammalian Chromosome
		aberration test			Aberration Test)
Oxydipropyl dibenzoate	negative	mammalian cell	with and without		OECD Guideline 476 (In vitro
27138-31-4		gene mutation assay			Mammalian Cell Gene
					Mutation Test)

#### Carcinogenicity

No data available.

# Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result / Value	Test type	Route of	Species	Method
CAS-No.			application		
Oxydipropyl dibenzoate	NOAEL P > 10000 ppm	Two	oral: feed	rat	OECD Guideline 416 (Two-
27138-31-4		generation			Generation Reproduction
	NOAEL F1 10000 ppm	study			Toxicity Study)
	NOAEL F2 10000 ppm				

# STOT-single exposure:

No data available.

# STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result / Value	Route of	Exposure time /	Species	Method
CAS-No.		application	Frequency of		
			treatment		
Oxydipropyl dibenzoate	NOAEL > 1.000  mg/kg	oral: feed	13 w	rat	OECD Guideline 408
27138-31-4			daily		(Repeated Dose 90-Day
					Oral Toxicity in Rodents)

# **Aspiration hazard:**

No data available.

# **SECTION 12: Ecological information**

#### General ecological information:

Do not empty into drains / surface water / ground water.

#### 12.1. Toxicity

# **Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Dibenzoyl peroxide 94-36-0	LC50	0,06 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Oxydipropyl dibenzoate 27138-31-4	LC50	3,7 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)

# Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dibenzoyl peroxide 94-36-0	EC50	0,11 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Oxydipropyl dibenzoate 27138-31-4	EL50	19,3 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Dibenzoyl peroxide	EC10	0,001 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia
94-36-0					magna, Reproduction Test)

# Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Dibenzoyl peroxide	ErC50	0,071 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
94-36-0					Growth Inhibition Test)
Dibenzoyl peroxide	NOEC	0,02 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
94-36-0				_	Growth Inhibition Test)
Oxydipropyl dibenzoate	EL50	4,9 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
27138-31-4					Growth Inhibition Test)
Oxydipropyl dibenzoate	NOELR	1 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga,
27138-31-4					Growth Inhibition Test)

# Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Dibenzoyl peroxide	EC 50	35 mg/l	3 h		OECD Guideline 209
94-36-0					(Activated Sludge,
					Respiration Inhibition Test)
Oxydipropyl dibenzoate	EC50	> 100 mg/l	3 h	activated sludge of a	OECD Guideline 209
27138-31-4				predominantly domestic sewage	(Activated Sludge,
					Respiration Inhibition Test)

#### 12.2. Persistence and degradability

The product is not biodegradable.

Hazardous substances	Result	Test type	Degradability	Exposure	Method
CAS-No.				time	
Dibenzoyl peroxide	readily biodegradable	aerobic	71 %	28 d	OECD Guideline 301 D (Ready
94-36-0					Biodegradability: Closed Bottle
					Test)
Oxydipropyl dibenzoate	readily biodegradable	aerobic	85 %	28 d	OECD Guideline 301 B (Ready
27138-31-4					Biodegradability: CO2 Evolution
					Test)

#### 12.3. Bioaccumulative potential

No data available for the product.

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
Dibenzoyl peroxide	66,6			fish	OECD Guideline 305
94-36-0					(Bioconcentration: Flow-through
					Fish Test)

#### 12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Dibenzoyl peroxide 94-36-0	3,2	22 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Oxydipropyl dibenzoate 27138-31-4	3,9	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

# 12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Dibenzoyl peroxide	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
94-36-0	Bioaccumulative (vPvB) criteria.
Oxydipropyl dibenzoate	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
27138-31-4	Bioaccumulative (vPvB) criteria.

# 12.6. Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Product disposal:

Incineration under controlled conditions is recommended.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

### Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

# **SECTION 14: Transport information**

# 14.1. UN number

ADR	3108
RID	3108
ADN	3108
IMDG	3108
IATA	3108

# 14.2. UN proper shipping name

ADR	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)
RID	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)
ADN	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)
IMDG	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)

(Dipropylenglycol dibenzoate, Dibenzoyl peroxide) Organic peroxide type E, solid (Dibenzoyl peroxide)

# 14.3. Transport hazard class(es)

IATA

ADR	5.2
RID	5.2
ADN	5.2
IMDG	5.2
IATA	5.2 (HEAT)

# 14.4. Packing group

ADR RID ADN IMDG IATA

#### 14.5. Environmental hazards

ADR	Environmentally Hazardous
RID	Environmentally Hazardous
ADN	Environmentally Hazardous

IMDG Marine pollutant IATA not applicable

# 14.6. Special precautions for user

ADR not applicable
Tunnelcode: (D)
RID not applicable
ADN not applicable

IMDG IMDG-Code: Segregation group 16- Peroxides

IATA not applicable

When transporting as a set (component A and B) then the following dangerous good classification is used: UN 3269 Polyester resin kit, 3, III.

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

# **SECTION 15: Regulatory information**

(2010/75/EC)

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

# **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

#### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.