

# SAFETY DATA SHEET Vinylester Resin - part A

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name JFV380SF, JFV300SF, JFEA410SFW part A

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

Identified uses Resin.

1.3. Details of the supplier of the safety data sheet

Supplier JCP Construction Products

Unit 14 Teddington Business Park

Station Rd. Teddington TW11 9BQ

Tel: +44 208 943 1800 Fax: +44 208 943 1140

Web www.jcpfixings.co.uk

Contact person jcpenquiries@owlett-jaton.com

1.4. Emergency telephone number

**Emergency telephone** +44 (0)208 943 1800 8.30am-5.00pm Monday to Friday

SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

**Health hazards** Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word Warning

**Hazard statements** H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

# Vinylester Resin - part A

**Precautionary statements** P273 Avoid release to the environment.

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

P302+P352 IF ON SKIN: Wash with plenty of 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.

P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

Contains 2-HYDROXYPROPYL METHACRYLATE

**Labelling notes** The product is not flammable.

On basis of test data.

UN Test N.1 and ASTM D4359-90

#### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### 2-HYDROXYPROPYL METHACRYLATE

5-10%

CAS number: 27813-02-1 EC number: 248-666-3 REACH registration number: 01-

2119490226-37

#### Classification

Eye Irrit. 2 - H319 Skin Sens. 1 - H317

VINYL TOLUENE 5-10%

CAS number: 25013-15-4 EC number: 246-562-2 REACH registration number: 01-

2119622074-50

#### Classification

Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

TITANIUM DIOXIDE >0.5 <1.0%

# Classification

Not Classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

**Ingestion** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin contact** Wash skin thoroughly with soap and water.

## Vinylester Resin - part A

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide

apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after

washing. Show this Safety Data Sheet to the medical personnel.

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

**Ingestion** May cause discomfort if swallowed.

Skin contact Irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes.

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

Notes for the doctor No specific recommendations.

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

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

Specific hazards Not considered to be a significant hazard due to the small quantities used.

Hazardous combustion

products

Oxides of carbon.

#### 5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

## SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

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

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. For waste disposal,

see Section 13.

#### 6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste

disposal, see Section 13.

# SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away

from oxidising materials, heat and flames.

Storage class Chemical storage.

#### 7.3. Specific end use(s)

# Vinylester Resin - part A

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

#### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

### Occupational exposure limits

#### **TITANIUM DIOXIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust WEL = Workplace Exposure Limit.

#### 2-HYDROXYPROPYL METHACRYLATE (CAS: 27813-02-1)

**DNEL** Workers - Dermal; Long term systemic effects: 4.2 mg/kg

Workers - Inhalation; Long term systemic effects: 14.7 mg/m3

PNEC Fresh water; 0.904 mg/l

marine water; 0.904 mg/l

STP; 20 mg/l

Sediment (Freshwater); 6.28 mg/kg Sediment (Marinewater); 6.28 mg/kg

Soil; 0.727 mg/kg

### VINYL TOLUENE (CAS: 25013-15-4)

**DNEL** Industry - Inhalation; Long term systemic effects: 37 mg/m³

Industry - Inhalation; Long term local effects: 37 mg/m³

REACH dossier information

PNEC - Fresh water; 0.0498 mg/l

- marine water; 0.002 mg/l - Intermittent release; 0.013 mg/l

- STP; 1 mg/l

Sediment (Freshwater); 0.684 mg/kgSediment (Marinewater); 0.0684 mg/kg

- Soil; 0.133 mg/kg

REACH dossier information

#### TITANIUM DIOXIDE (CAS: 13463-67-7)

**DNEL** Industry - Inhalation; Long term systemic effects: 10 mg/m³

REACH dossier information

PNEC - Fresh water; 0.127 mg/l

- marine water; 1.0 mg/l

- Intermittent release; 0.61 mg/l

- STP; 100 mg/l

Sediment (Freshwater); 1000 mg/kgSediment (Marinewater); 100 mg/kg

- Soil; 100 mg/kg

**REACH dossier information** 

## 8.2. Exposure controls

# Vinylester Resin - part A

#### Protective equipment





Appropriate engineering

controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or

ingredients.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible.

**Hand protection** It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking

and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

When using do not eat, drink or smoke.

Respiratory protection 
No specific recommendations. Respiratory protection may be required if excessive airborne

contamination occurs.

Environmental exposure

controls

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance Solid.

Colour Beige.

Odour Aromatic.

Odour threshold Not determined.

**pH** Not applicable.

Melting point Not determined.

**Initial boiling point and range** Not determined.

Flash point Not determined.

**Evaporation rate** Not determined.

**Evaporation factor** Not determined.

Flammability (solid, gas) Not determined.

Upper/lower flammability or

explosive limits

Not determined.

Other flammability Not determined.

Vapour pressure Not determined.

Vapour density Not determined.

**Relative density** 1.65 - 1.75 @ 20°C

Bulk density Not applicable.

# Vinylester Resin - part A

Solubility(ies) Insoluble in water.

Partition coefficient Not determined.

Auto-ignition temperature Not determined.

**Decomposition Temperature** Not determined.

Viscosity Not applicable.

**Explosive properties** Not considered to be explosive.

Explosive under the influence

Explosive under the influence Not con

of a flame

Not considered to be explosive.

Oxidising properties Not determined.

9.2. Other information

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** The following materials may react with the product: Organic peroxides/hydroperoxides.

10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Does not decompose when used and stored as recommended.

## 10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Organic peroxides/hydroperoxides.

## 10.6. Hazardous decomposition products

Hazardous decomposition

Oxides of carbon.

products

# SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 159.52

Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes.

Route of exposure Skin and/or eye contact

# Vinylester Resin - part A

**Medical symptoms** Irritation of eyes and mucous membranes. Skin irritation.

Toxicological information on ingredients.

#### 2-HYDROXYPROPYL METHACRYLATE

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 11,200.0

mg/kg)

Species Rat

ATE oral (mg/kg) 11,200.0

**VINYL TOLUENE** 

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 2,255.0

mg/kg) Species

Rat

**ATE oral (mg/kg)** 2,255.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 4,500.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 4,500.0

Acute toxicity - inhalation

ATE inhalation (vapours

mg/l)

11.0

Carcinogenicity

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

TITANIUM DIOXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

5,000.0

Species Rat

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological information on ingredients.

## VINYL TOLUENE

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)

# Vinylester Resin - part A

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 1.3 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC<sub>50</sub>, 72 hours: 2.6 mg/l, Selenastrum capricornutum

#### TITANIUM DIOXIDE

Acute aquatic toxicity

Acute toxicity - fish LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe)

**REACH** dossier information

Acute toxicity - aquatic

invertebrates

NOEC, > 48 hours: 3 mg/l, Daphnia magna

**REACH** dossier information

Acute toxicity - EC<sub>50</sub>, > 3 hours: 1000 mg/l, Activated sludge

microorganisms REACH dossier information

### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

#### 2-HYDROXYPROPYL METHACRYLATE

Partition coefficient log Kow: 0.93

## **VINYL TOLUENE**

Partition coefficient log Pow: 3.36

12.4. Mobility in soil

Mobility Not applicable.

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

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not applicable.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

Waste class

The waste code classification is to be carried out according to the European Waste Catalogue

(EWC).

## SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

# Vinylester Resin - part A

#### 14.1. UN number

Not applicable.

## 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

### SECTION 15: Regulatory information

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

EU legislation (EU) No 2015/830

Guidance Workplace Exposure Limits EH40.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

General information The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 26/10/2020

Version number 3.001

Supersedes date 13/01/2020

SDS number 20343

Hazard statements in full H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

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

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

# Vinylester Resin - part A

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



# SAFETY DATA SHEET

# Vinylester Resin - part B

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

**Product name** JFV380SF, JFV300SF, JFEA410SFW part B

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

Identified uses Catalyst.

1.3. Details of the supplier of the safety data sheet

Supplier JCP Construction Products

Unit 14 Teddington Business Park

Station Rd. Teddington TW11 9BQ

Tel: +44 208 943 1800 Fax: +44 208 943 1140

Web www.jcpfixings.co.uk

Contact person jcpenquiries@owlett-jaton.com

1.4. Emergency telephone number

**Emergency telephone** +44 (0)208 943 1800 8.30am-5.00pm Monday to Friday

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

**Health hazards** Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Human health May cause skin disorders if contact is repeated or prolonged. The product is irritating to eyes

and skin.

**Environmental** The product contains a substance which is very toxic to aquatic organisms and which may

cause long-term adverse effects in the aquatic environment.

Physicochemical Not considered to be a significant hazard due to the small quantities used.

2.2. Label elements

Hazard pictograms





Signal word Warning

## Vinylester Resin - part B

Hazard statements H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements** P273 Avoid release to the environment.

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

P302+P352 IF ON SKIN: Wash with plenty of 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.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.

Contains BENZOYL PEROXIDE

Supplementary precautionary

P264 Wash contaminated skin thoroughly after handling.

statements

P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

**Labelling notes** On basis of test data.

Solid

- ASTM D4359-90

#### 2.3. Other hazards

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

### 3.2. Mixtures

BENZOYL PEROXIDE 10-15%

CAS number: 94-36-0 EC number: 202-327-6 REACH registration number: 01-

2119511472-50

M factor (Acute) = 10 M factor (Chronic) = 10

Classification

Org. Perox. B - H241 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide

apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after

washing. Show this Safety Data Sheet to the medical personnel.

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

**Ingestion** May cause discomfort if swallowed.

## Vinylester Resin - part B

**Skin contact** Causes skin irritation.

**Eye contact** Irritation of eyes and mucous membranes.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

Oxides of carbon.

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

Specific hazards No specific firefighting precautions applicable when small quantities are involved in the fire.

Hazardous combustion

products

oddolo

5.3. Advice for firefightersProtective actions during

firefighting

Avoid breathing fire gases or vapours.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

#### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

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

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. For waste disposal,

see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. For waste

disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame.

Advice on general Do not eat, drink or smoke when using this product. No specific hygiene procedures

occupational hygiene recommended but good personal hygiene practices should always be observed when working

with chemical products.

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

Storage precautions Keep away from flammable and combustible materials. Store at temperatures between

5°C/41°F and 25°C/77°F.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

# Vinylester Resin - part B

### SECTION 8: Exposure controls/Personal protection

## 8.1. Control parameters

#### Occupational exposure limits

#### **BENZOYL PEROXIDE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

## **BENZOYL PEROXIDE (CAS: 94-36-0)**

**DNEL** Industry - Dermal; Long term : 6.6 mg/kg/day

Industry - Oral; Long term : 1.6 mg/kg/day Industry - Inhalation; Long term : 11.75 mg/m³

PNEC - Sediment (Marinewater); 0.0338 mg/kg

- Fresh water; 0.000602 mg/l

- STP; 0.35 mg/l

marine water; 0.0000602 mg/lSediment (Freshwater); 0.338 mg/kg

#### 8.2. Exposure controls

# Protective equipment







Appropriate engineering

controls

Provide adequate ventilation.

**Eye/face protection** The following protection should be worn: Chemical splash goggles.

**Hand protection** Wear protective gloves made of the following material: Nitrile rubber.

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Wash at the end of each work shift and before eating, smoking and using the toilet. Do not

smoke in work area.

Respiratory protection No specific recommendations.

### SECTION 9: Physical and chemical properties

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

Appearance Solid.

Colour Black.

Odour Characteristic.

Odour threshold Not determined.

pH 6

Melting point Not applicable.

Initial boiling point and range Not applicable.

Flash point Not applicable.

**Evaporation rate** Not determined.

# Vinylester Resin - part B

**Evaporation factor** Not determined.

Flammability (solid, gas) Not determined.

Upper/lower flammability or

explosive limits

Not determined.

Other flammability Not determined.

Vapour pressure Not determined.

Vapour density Not determined.

Relative density 1.5 - 1.6

Bulk density

Solubility(ies)

Not determined.

Partition coefficient

Not determined.

Auto-ignition temperature

Not determined.

**Decomposition Temperature** +50°C

Viscosity > 60 S ISO2431

**Explosive properties** No information available.

Oxidising properties Not determined.

## 9.2. Other information

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

Reactivity The following materials may react with the product: Acids. Alkalis. Amines. Strong reducing

agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Will decompose at

temperatures exceeding 50°C.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

Will not polymerise.

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with strong reducing agents. Avoid heat. Avoid contact with acids and alkalis.

10.5. Incompatible materials

Materials to avoid Strong reducing agents. Acids, non-oxidising. Acids - organic. Alkalis - inorganic. Alkalis -

organic. Amines.

#### 10.6. Hazardous decomposition products

Hazardous decomposition Oxides of carbon.

products

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

#### Skin sensitisation

## Vinylester Resin - part B

**Skin sensitisation** Sensitising.

**Inhalation** No specific health hazards known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Irritating to skin. May cause sensitisation by skin contact.

**Eye contact** Irritation of eyes and mucous membranes.

Route of exposure Skin and/or eye contact

Medical symptoms Skin irritation. Irritation of eyes and mucous membranes.

**Medical considerations** No information available.

Toxicological information on ingredients.

**BENZOYL PEROXIDE** 

Carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### SECTION 12: Ecological information

### 12.1. Toxicity

Ecological information on ingredients.

#### **BENZOYL PEROXIDE**

Acute aquatic toxicity

**LE(C)**<sub>50</sub>  $0.01 < L(E)C50 \le 0.1$ 

M factor (Acute) 10

Acute toxicity - fish LC50, 96 hours: 0.06 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 0.11 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC<sub>50</sub>, 72 hours: 0.07 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

M factor (Chronic) 10

## 12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

# 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

**Mobility** Mobile. The product is partly miscible with water and may spread in the aquatic environment.

# 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

# Vinylester Resin - part B

#### 12.6. Other adverse effects

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

Waste class

The waste code classification is to be carried out according to the European Waste Catalogue

(EWC).

## SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID) 3077
UN No. (IMDG) 3077
UN No. (ICAO) 3077
UN No. (ADN) 3077

### 14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL

PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL

PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL

PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL

PEROXIDE, BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR)

## 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M7

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

# Transport labels



## 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

Ш

ADN packing group

# Vinylester Resin - part B

#### 14.5. Environmental hazards

## Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code 2Z

Hazard Identification Number 90

(ADR/RID)

Tunnel restriction code (-)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

### SECTION 15: Regulatory information

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

EU legislation (EU) No 2015/830

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

General information On basis of test data. Solid - ASTM D4359-90

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 28/04/2021

Version number 3.002

Supersedes date 26/10/2020

SDS number 20483

Hazard statements in full 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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.