SAFETY DATA SHEET
Epoxy Acrylate Injection Resin

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

1.1. Product identifier
Product name: Epoxy Acrylate Injection Resin
Product number: JFEA380SF

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: Tel +44 208 943 1800 Monday to Friday 9.00 to 5.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Flam. Liq. 3 - H226
Health hazards: Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards: Not Classified

2.2. Label elements
Pictogram
Signal word: Warning
Hazard statements: H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
Epoxy Acrylate Injection Resin

Precautionary statements

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.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P403+P235 Store in a well-ventilated place. Keep cool.

Supplementary precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash contaminated skin thoroughly after handling.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/Information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>VINYL TOLUENE</th>
<th>10-20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 25013-15-4</td>
<td>EC number: 246-562-2</td>
</tr>
</tbody>
</table>

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

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

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

Skin contact
May cause skin irritation/eczema.

Eye contact
Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed
Epoxy Acrylate Injection Resin

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.

5.2. Special hazards arising from the substance or mixture
Specific hazards No unusual fire or explosion hazards noted.
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
Usage precautions Do not use in confined spaces without adequate ventilation and/or respirator.

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)
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
VINYL TOLUENE (CAS: 25013-15-4)
Epoxy Acrylate Injection Resin

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/kg
- Sediment (Marine water); 0.0684 mg/kg
- Soil; 0.133 mg/kg

REACH dossier information

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

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 hands 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

Liquid

Colour

Beige.

Odour

Aromatic.

Odour threshold

Not determined.

pH

Not applicable.

Melting point

Not determined.

Initial boiling point and range

>165°C @

Flash point

53°C

Evaporation rate

Not determined.

Evaporation factor

Not determined.
Epoxy Acrylate Injection Resin

Flammability (solid, gas) Not determined.
Upper/lower flammability or explosive limits Not determined.
Other flammability Not determined.
Vapour pressure 6 hPa @ 20°C
Vapour density Not determined.
Relative density 1.65 - 1.75 @ 20°C
Bulk density Not applicable.
Solubility(ies) Insoluble in water
Partition coefficient Not determined.
Auto-ignition temperature Not determined.
Decomposition Temperature Not determined.
Viscosity > 60 S ISO2431
Explosive properties No information available.
Oxidising properties Does not meet the criteria for classification as oxidising.

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 products Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 79.09

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Epoxy Acrylate Injection Resin

Ingestion  May cause discomfort if swallowed.
Skin contact  Causes skin irritation.
Eye contact  Irritating to eyes.
Acute and chronic health hazards  Irritating to skin. Irritating to eyes.
Route of entry  Skin and/or eye contact.
Medical symptoms  Irritation of eyes and mucous membranes. Irritation of nose, throat and airway. Skin irritation.
Medical considerations  Skin disorders and allergies.

Toxicological information on ingredients.

VINYL TOLUENE

Acute toxicity - inhalation
ATE inhalation (vapours mg/l)  11.0
Carcinogenicity
IARC carcinogenicity  IARC Group 3  Not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological Information

Ecotoxicity  Not regarded as dangerous for the environment.
12.1. Toxicity
Ecological information on ingredients.

VINYL TOLUENE

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

12.2. Persistence and degradability
12.3. Bioaccumulative potential
Bioaccumulative potential  No data available on bioaccumulation.
Partition coefficient  Not determined.

Ecological information on ingredients.

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
Epoxy Acrylate Injection Resin

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.

SECTION 14: Transport information

Road transport notes Not regulated.
Rail transport notes Not regulated.

14.1. UN number
UN No. (IMDG) 1866
UN No. (ICAO) 1866

14.2. UN proper shipping name
Proper shipping name (IMDG) RESIN SOLUTION
Proper shipping name (ICAO) RESIN SOLUTION

14.3. Transport hazard class(es)
IMDG class 3
ICAO class/division 3

Transport labels

14.4. Packing group
IMDG packing group III
ICAO packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
EmS F-E, S-E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant.

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.
Epoxy Acrylate Injection Resin

Inventories

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

SECTION 16: Other information

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date 05/04/2016
Revision 4
Supersedes date 24/03/2016
SDS number 20440
Hazard statements in full
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

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

1.1. Product identifier
Product name: Epoxy Acrylate Injection Resin
Product number: JFEA380SF

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: Tel +44 208 943 1800 Monday to Friday 9.00 to 5.00

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 3 - H412

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
Pictogram
Epoxy Acrylate Injection Resin

## Signal word
Warning

## Hazard statements
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful 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 statements
- P264 Wash contaminated skin thoroughly after handling.
- P337+P313 If eye irritation persists: Get medical advice/ attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.
- P411 Store at temperatures not exceeding 25°C/77°F.

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>BENZOYL PEROXIDE</th>
<th>10-15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 94-36-0</td>
<td>EC number: 202-327-6</td>
</tr>
<tr>
<td>REACH registration number: 01-2119511472-50-XXXX</td>
<td></td>
</tr>
<tr>
<td>M factor (Acute) = 10</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 670241-72-2</td>
<td>EC number: 447-010-5</td>
</tr>
<tr>
<td>REACH registration number: 01-000018876-55-XXXX</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**
- Aquatic Chronic 2 - H411

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

### 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.

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.

5.2. Special hazards arising from the substance or mixture

Specific hazards
No specific precautions due to the small quantities handled.

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

Usage precautions
Keep away from heat, sparks and open flame.
Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. No specific hygiene procedures 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 in closed original container at temperatures between 5°C and 25°C.

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.

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/m³

WEL = Workplace Exposure Limit

BENZOYL PEROXIDE (CAS: 94-36-0)

<table>
<thead>
<tr>
<th>DNEL</th>
<th>Industry - Dermal; Long term: 6.6 mg/kg/day</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Industry - Oral; Long term: 1.6 mg/kg/day</td>
</tr>
<tr>
<td></td>
<td>Industry - Inhalation; Long term: 11.75 mg/m³</td>
</tr>
</tbody>
</table>

| PNEC  | - Fresh water: 0.000602 mg/l |
|       | - Sediment (Freshwater): 0.338 mg/kg |
|       | - STP: 0.35 mg/l             |
|       | - Marine water: 0.0000602 mg/l |
|       | - Sediment (Marine water): 0.0338 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 hands 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 Liquid
### Epoxi Acrylate Injection Resin

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Black.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Other flammability</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.5 - 1.6</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>&gt;50°C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&gt; 60 S ISO2431</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

#### 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 reactions

Will not polymerise.

**10.4. Conditions to avoid**

Conditions to avoid

Avoid contact with strong reducing agents. Avoid heat. Avoid contact with acids and alkalis.
Epoxy Acrylate Injection Resin

10.5. Incompatible materials

**Materials to avoid**

10.6. Hazardous decomposition products

**Hazardous decomposition products**
- Oxides of carbon.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

**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 entry**
- 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**

**Acute toxicity - oral**
- Acute toxicity oral (LD₅₀ mg/kg) 950.0
- Species Rat

**Carcinogenicity**
- IARC 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)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1
- M factor (Acute) 10

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

**Acute toxicity - aquatic invertebrates**
- EC₅₀, 48 hours: 0.11 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**
- EC₅₀, 72 hours: 0.07 mg/l, Selenastrum capricornutum
**Epoxy Acrylate Injection Resin**

**BENZOIC ACID, NONYL ESTER, BRANCHED AND LINEAR**

**Acute toxicity - fish**
- LC₅₀, 24 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
- LC₅₀, 48 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
- LC₅₀, 72 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
- EC₅₀, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
- EC₁₀₀, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)
- NOEC, 96 hours: > 1.23 mg/l, Cyprinus carpio (Common carp)

**Acute toxicity - aquatic invertebrates**
- EC₅₀, 24 hours: > 2.2 mg/l, Daphnia magna
- EC₅₀, 48 hours: > 2.2 mg/l, Daphnia magna
- NOEC, 48 hours: > 2.2 mg/l, Daphnia magna

**Acute toxicity - microorganisms**
- IC₅₀, 3 hours: > 1000 mg/l, Activated sludge
- NOEC, 3 hours: > 1000 mg/l, Activated sludge

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

**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.

**SECTION 14: Transport information**

**14.1. UN number**
- UN No. (ADR/RID) 3082
- UN No. (IMDG) 3082
- UN No. (ICAO) 3082
- UN No. (ADN) 3082

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. BENZOYL PEROXIDE

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. BENZOYL PEROXIDE

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. BENZOYL PEROXIDE

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. BENZOYL PEROXIDE
14.3. Transport hazard class(es)
ADR/RID class 9
ADR/RID classification code M6
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
ADN packing group III
ICAO packing group III

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 •3Z
Hazard Identification Number (ADR/RID) 90
Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

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.
Inventories

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

SECTION 16: Other information

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

Revision date 10/11/2015
Revision 6
Supersedes date 17/09/2015
SDS number 20492

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