SAFETY DATA SHEET
DFense Blok Quick Patch Resin

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

1.1. Product identifier
Product name: DFense Blok Quick Patch Resin

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Two-component, epoxy-based adhesive.

1.3. Details of the supplier of the safety data sheet
Supplier: ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
mail@itwpp.com

1.4. Emergency telephone number
Emergency telephone: +44(0)1235 239 670 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards: Aquatic Chronic 2 - H411

2.2. Label elements
Pictogram:

Signal word: Warning
Hazard statements:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements

P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
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.

Supplemental label information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Contains

REACTION PRODUCT: BISPHENOL F-(EPICHLORHYDRIN); EPOXY RESIN, PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER

Supplementary precautionary statements

P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
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>Component</th>
<th>Percentage</th>
<th>CAS number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER</td>
<td>10-30%</td>
<td>28064-14-4</td>
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The full text for all hazard statements is 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. If breathing stops, provide artificial respiration.
DFense Blok Quick Patch Resin

Ingestion
Do not induce vomiting. Consult a physician for specific advice. Never give anything by mouth to an unconscious person.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

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.

4.2. Most important symptoms and effects, both acute and delayed
4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media
Foam. Water.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products
Does not decompose when used and stored as recommended.

5.3. Advice for firefighters
Protective actions during firefighting
Evacuate area of unprotected personnel. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
For personal protection, see Section 8.

6.2. Environmental precautions
Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Provide adequate ventilation. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep container tightly closed. Store in tightly-closed, original container in a dry and cool place. Store away from incompatible materials (see Section 10).

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
DFense Blok Quick Patch Resin

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

Provide adequate general and local exhaust 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. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection

Provide eyewash station and safety shower.

Hygiene measures

Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

solid

Odour

Mild.

pH

pH (concentrated solution): neutral

Melting point

Not determined.

Initial boiling point and range

Not determined.

Flash point

93.3°C

Evaporation rate

Not determined.

Vapour density

>1

Relative density

1.85g/mL

Auto-ignition temperature

Not determined.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
DFense Blok Quick Patch Resin

Possibility of hazardous reactions  
No potentially hazardous reactions known.

10.4. Conditions to avoid  
Conditions to avoid  
Avoid heat. Avoid contact with strong oxidising agents. Avoid contact with acids.

10.5. Incompatible materials  
Materials to avoid  

10.6. Hazardous decomposition products  

SECTION 11: Toxicological information

11.1. Information on toxicological effects  
Ecotoxicity  
No data on possible environmental effects have been found.

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

12.3. Bioaccumulative potential  
12.4. Mobility in soil  
12.5. Results of PBT and vPvB assessment  
12.6. Other adverse effects  
Other adverse effects  
Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods  
Disposal methods  
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General  
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number  
Not applicable.

14.2. UN proper shipping name  
Not applicable.

14.3. Transport hazard class(es)  
Transport labels  
No transport warning sign required.

14.4. Packing group  
Not applicable.

14.5. Environmental hazards  
Environmentally hazardous substance/marine pollutant  
No.
DFense Blok Quick Patch Resin

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 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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>03/04/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>4</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>28/04/2016</td>
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<tr>
<td>Hazard statements in full</td>
<td></td>
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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.