



SAFETY DATA SHEET DFense Blok Quick Patch Hardener

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name DFense Blok Quick Patch Hardener

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 DEVCON
BAY 150
SHANNON INDUSTRIAL ESTATE
SHANNON
CO CLARE
IRELAND
T: +353 (0)61471299
F: 353(0)61471285
info@itwppe.eu

1.4. Emergency telephone number

+44(0) 1235 239670

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

2.2. Label elements

Risk Phrases
NC Not classified.

Safety Phrases
P14 Contains 4,4'-ISOPROPYLIDENEDIPHENOL,DIETHYLENETRIAMINE. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

4,4'-ISOPROPYLIDENEDIPHENOL	< 1%
CAS-No.: 80-05-7	EC No.: 201-245-8
Classification (EC 1272/2008) Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f STOT SE 3 - H335	Classification (67/548/EEC) Repr. Cat. 3;R62 Xi;R37,R41 R43 R52

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CARBON BLACK	< 1%
CAS-No.: 1333-86-4	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
DIETHYLENETRIAMINE	< 1%
CAS-No.: 111-40-0	EC No.: 203-865-4
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Skin Sens. 1 - H317	Classification (67/548/EEC) C;R34 Xn;R21/22 R43

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

General first aid, rest, warmth and fresh air. Perform artificial respiration if breathing has stopped.

Ingestion

DO NOT induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

Extinguishing media

Extinguish with carbon dioxide or dry powder.

Unsuitable extinguishing media

Foam. Water.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special Fire Fighting Procedures

Evacuate area of unprotected personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use protective gloves, goggles and suitable protective clothing. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

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Absorb with sand or other inert absorbent.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and well-ventilated place. Keep containers tightly closed. Store away from: Acids. Oxidising material.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIETHYLENTRIAMINE	WEL	1 ppm(Sk)	4.3 mg/m3(Sk)			

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

Eye protection

Wear approved safety goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	solid
Colour	Amber.
Odour	Fishy. Ammonia.
Initial boiling point and boiling range	100
Melting point (°C)	
Not determined.	
Relative density	0.99
Vapour density (air=1)	>1
Vapour pressure	<21 mm Hg
Evaporation rate	<1
pH-Value, Conc. Solution	alkaline
Solubility Value (G/100G H ₂ O@20° C)	>30%
Flash point	>93.3

9.2. Other information

Volatile By Vol. (%)

Not determined.

Volatile Organic Compound (VOC)

Not determined.

SECTION 10: STABILITY AND REACTIVITY

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10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Unknown.

10.4. Conditions to avoid

Avoid contact with strong oxidisers. Avoid heat.

10.5. Incompatible materials

Materials To Avoid

Acids, oxidising. Chemically active metals. Nitrous acid and other nitrosating agents. Organic peroxides/hydroperoxides.

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation 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)

ADR/RID/ADN Class

Class 8: Corrosive substances.

Transport Labels

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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.

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date	05/03/2012
Revision	3
Supersedes date	13/12/2011
Risk Phrases In Full	
R34	Causes burns.
R21/22	Harmful in contact with skin and if swallowed.
R52	Harmful to aquatic organisms.
R37	Irritating to respiratory system.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R62	Possible risk of impaired fertility.
R41	Risk of serious damage to eyes.
Hazard Statements In Full	
H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.

Disclaimer

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.