



SAFETY DATA SHEET  
DFense Blok Resin

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

**1.1. Product identifier**

Product name DFense Blok 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 DEVCON  
BAY 150  
SHANNON INDUSTRIAL ESTATE  
SHANNON  
CO CLARE  
IRELAND  
T: +353 (0)61471299  
F: 353(0)61471285  
info@itwpe.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) Xi;R36/38. R43.

**2.2. Label elements**

Contains Reaction product of Epichlorohydrin & Bisphenol A

Labelling



Irritant

Risk Phrases

R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.

Safety Phrases

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37 Wear suitable gloves.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

## DFense Blok Resin

1,3-bis(2,3-EPOXYPROPOXY)-2,2-DIMETHYLPROPANE	< 1%
CAS-No.: 17557-23-2	EC No.: 241-536-7
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Classification (67/548/EEC) R43 Xi;R38
CARBON BLACK	< 1%
CAS-No.: 1333-86-4	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
Elastomer Modified Diglycidyl Ether	< 1%
CAS-No.: 68909-14-8	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/38. R43.
Reaction product of Epichlorohydrin & Bisphenol A	10-30%
CAS-No.: 25085-99-8	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36,R38. 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

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped.

Ingestion

DO NOT INDUCE VOMITING! Consult a physician for specific advice. Never give liquid 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

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

#### **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.



# DFense Blok Resin

Evaporation rate

Not determined.

pH-Value, Conc. Solution                      neutral

Flash point    93.3

Auto Ignition Temperature (°C)

Not determined.

## **9.2. Other information**

### **SECTION 10: STABILITY AND REACTIVITY**

#### **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 heat. Avoid contact with strong oxidisers. Avoid contact with acids.

#### **10.5. Incompatible materials**

Materials To Avoid

Acids, oxidising. Strong acids. Amines.

#### **10.6. Hazardous decomposition products**

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **11.1. Information on toxicological effects**

Toxicological information on ingredients.

1,3-bis(2,3-EPOXYPROPOXY)-2,2-DIMETHYLPROPANE (CAS: 17557-23-2)

CARBON BLACK (CAS: 1333-86-4)

ALUMINUM OXIDE (CAS: 1344-28-1)

Reaction product of Epichlorohydrin & Bisphenol A (CAS: 25085-99-8)

### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

No data on possible environmental effects have been found.

#### **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**

Not determined.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

## DFense Blok Resin

### **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)**

Transport Labels

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 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	05/01/2012
Revision	1
Risk Phrases In Full	
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
Hazard Statements In Full	
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

## DFense Blok Resin

### 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.