1. Identification

Product identifier
Product name
WB D COMPONENT A

Recommended use of the chemical and restrictions on use
Application
Two-component, epoxy-based adhesive.

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

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

2. Hazard(s) identification

Classification of the substance or mixture
Physical hazards
Not Classified
Health hazards
Skin Irrit. 2 - H315 Skin Sens. 1 - H317
Environmental hazards
Aquatic Chronic 2 - H411

Label elements
Pictogram

Signal word
Warning

Hazard statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
## WB D COMPONENT A

### Precautionary statements

- P261 Avoid breathing vapor/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- 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.
- 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.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.
- P501 Dispose of contents/ container in accordance with national regulations.

### Contains

- EPOXY RESIN (Number average MW <= 700 ), REACTION PRODUCT: BISPHENOL F- (EPICHLORHYDRIN); EPOXY RESIN, 1.6-HEXANEDIOLDIGLYCIDYL ETHER

### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>EPOXY RESIN (Number average MW &lt;= 700 )</th>
<th>30-60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 25068-38-6</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Skin Sens. 1 - H317
- Aquatic Chronic 2 - H411

<table>
<thead>
<tr>
<th>Liquid polysulphide polymer with thiol end groups (MW&lt;1800)</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 68611-50-7</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

- Aquatic Chronic 3 - H412

<table>
<thead>
<tr>
<th>REACTION PRODUCT: BISPHENOL F- (EPICHLORHYDRIN); EPOXY RESIN</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 28064-14-4</td>
<td></td>
</tr>
</tbody>
</table>

**Classification**

- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Skin Sens. 1 - H317
- Aquatic Chronic 2 - H411
WB D COMPONENT A

1,6-HEXANEDIOLDIGLYCIDYL ETHER 1-5%
CAS number: 16096-31-4

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319
Skin Sens. 1 - H317
Aquatic Chronic 3 - H412

trizinc bis(orthophosphate) 1-5%
CAS number: 7779-90-0
M factor (Acute) = 1  M factor (Chronic) = 1

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

2-BUTOXYETHANOL 1-5%
CAS number: 111-76-2

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

ZINC OXIDE <1%
CAS number: 1314-13-2
M factor (Acute) = 1  M factor (Chronic) = 1

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion
Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Skin Contact
Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
WB D COMPONENT A

Eye contact  Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

General information  The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Indication of immediate medical attention and special treatment needed

Notes for the doctor  Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media  Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media  Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards  Containers can burst violently or explode when heated, due to excessive pressure build-up.

Advice for firefighters

Protective actions during firefighting  Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions  In case of spills, beware of slippery floors and surfaces.

Environmental precautions

Environmental precautions  Avoid or minimize the creation of any environmental contamination. Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

Methods and material for containment and cleaning up

Methods for cleaning up  Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

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

7. Handling and storage

Precautions for safe handling

Usage precautions  Avoid inhalation of vapors and spray/mists. Provide adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage precautions  Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidizing agents. Store away from incompatible materials (see Section 10).

Specific end use(s)

Specific end use(s)  The identified uses for this product are detailed in Section 1.
8. Exposure Controls/personal protection

**Exposure controls**

**Protective equipment**

Appropriate engineering controls: Provide adequate ventilation. Avoid inhalation of vapors. 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. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Butyl rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.

Other skin and body protection: Wear apron or protective clothing in case of contact.

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. Use appropriate skin cream to prevent drying of skin.

Respiratory protection: If ventilation is inadequate, suitable respiratory protection must be worn. Check that the respirator fits tightly and the filter is changed regularly. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. 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 OSHA 1910.134.

Environmental exposure controls: Not determined.

9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

**Appearance**: Colored liquid.

**Color**: Black.

**Odor**: Characteristic.

**pH**: Not applicable. Not applicable.

**Melting point**: Not determined.

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

**Flash point**: >100°C Not specified.

**Evaporation rate**: Not determined.
**WB D COMPONENT A**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative density</td>
<td>~1.2 @ 20°C</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Immiscible with water.</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>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Volatile organic compound</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**10. Stability and reactivity**

**Reactivity**
- The following materials may react with the product: Acids. Alkalis. Strong oxidizing agents.

**Stability**
- Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions**
- Not determined.

**Conditions to avoid**
- Avoid contact with strong oxidizing agents. Avoid contact with acids and alkalis.

**Materials to avoid**

**Hazardous decomposition products**
- No known hazardous decomposition products.

**11. Toxicological information**

**Information on toxicological effects**

**Acute toxicity - oral**
- ATE oral (mg/kg) 50,000.0

**Acute toxicity - dermal**
- ATE dermal (mg/kg) 110,000.0

**Acute toxicity - inhalation**
- ATE inhalation (gases ppm) 450,000.0
- ATE inhalation (vapours mg/l) 1,100.0
- ATE inhalation (dusts/mists mg/l) 150.0

**General information**
- The product contains an epoxy resin. May cause sensitization or allergic reactions in sensitive individuals.
WB D COMPONENT A

Inhalation
Vapors may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness.

Ingestion
May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

Skin Contact
Irritating to skin. Prolonged contact may cause dryness of the skin. The product contains a small amount of sensitizing substance. May cause sensitization or allergic reactions in sensitive individuals.

Eye contact
Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Route of entry
Inhalation. Ingestion. Skin and/or eye contact

12. Ecological Information

Ecotoxicity
The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity
Not determined.

Persistence and degradability
Persistence and degradability
The degradability of the product is not known.

Bioaccumulative potential
Bio-Accumulative Potential
No data available on bioaccumulation.

Partition coefficient
Not determined.

Mobility in soil
Mobility
Not determined.

Other adverse effects
Other adverse effects
Not determined.

13. Disposal considerations

Waste treatment methods
General information
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.

Waste class
08 04 09*

14. Transport information

UN Number
UN No. (TDG) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082
UN No. (DOT) 3082
WB D COMPONENT A

Proper shipping name (TDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), Liquid polysulphide polymer with thiol end groups (MW<1800))

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), Liquid polysulphide polymer with thiol end groups (MW<1800))

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), Liquid polysulphide polymer with thiol end groups (MW<1800))

Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700 ), Liquid polysulphide polymer with thiol end groups (MW<1800))

Transport hazard class(es)

- TGD class 9
- TGD label(s) 9
- IMDG Class 9
- ICAO class/division 9

Transport labels

- Packing group
  - TDG Packing Group III
  - IMDG packing group III
  - ICAO packing group III
  - DOT packing group III

Environmental hazards

- Environmentally Hazardous Substance

Special precautions for user

- EmS F-A, S-F

15. Regulatory information

16. Other information

- Revision date 4/3/2018
- Revision 3
- Supersedes date 5/12/2015
WB D COMPONENT A

Hazard statements in full

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
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.