SAFETY DATA SHEET  
KORROBOND 65 COMPONENT A

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

1.1. Product identifier

Product name  
KORROBOND 65 COMPONENT A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses  
Crusher Backing Compound

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 3 - H412

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.
H412 Harmful to aquatic life with long lasting effects.
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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.
- P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information
- EUH205 Contains epoxy constituents. May produce an allergic reaction.

Contains
- EPOXY RESIN (Number average MW <= 700 ), BUTANEDIOLDIGLYCIDYL ETHER

Supplementary precautionary statements
- P261 Avoid breathing vapour/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- 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.
- P337+P313 If eye irritation persists: Get medical advice/ attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>EPOXY RESIN (Number average MW &lt;= 700 )</th>
<th>10-30%</th>
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<tbody>
<tr>
<td>CAS number: 25068-38-6</td>
<td></td>
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<tr>
<td>EC number: 500-033-5</td>
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<tr>
<td>REACH registration number: 01-2119456619-26-0000</td>
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<table>
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<tbody>
<tr>
<td>Skin Irrit. 2 - H315</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
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<table>
<thead>
<tr>
<th>BUTANEDIOLDIGLYCIDYL ETHER</th>
<th>1-5%</th>
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<tr>
<td>CAS number: 2425-79-8</td>
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<td>EC number: 219-371-7</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>Acute Tox. 4 - H312</td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BENZYL ALCOHOL</th>
<th>1-5%</th>
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<tbody>
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<tr>
<td>EC number: 202-859-9</td>
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<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 - H302</td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
</tr>
</tbody>
</table>
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2-METHOXY-1-METHYLETHYL ACETATE  <1%
CAS number: 108-65-6    EC number: 203-603-9

Classification
Flam. Liq. 3 - H226

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation
Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Ingestion
Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. 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.

Skin contact
Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

4.2. 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.

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
Irritating gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting
Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. 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 labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Use only in well-ventilated areas. Keep away from heat, sparks and open flame. Open drum carefully as content may be under pressure. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.

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. 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

8.1. Control parameters

Occupational exposure limits

2-METHOXY-1-METHYLETHYL ACETATE
Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk)  274 mg/m³(Sk)
Short-term exposure limit (15-minute): WEL 100 ppm(Sk)  548 mg/m³(Sk)
WEL = Workplace Exposure Limit

EPOXY RESIN (Number average MW <= 700 ) (CAS: 25068-38-6)

DNEL
Workers - Dermal; Short term systemic effects: 8.33 mg/kg/day
Workers - Inhalation; Short term systemic effects: 12.25 mg/m³

8.2. Exposure controls

Protective equipment
Provide adequate general and local exhaust ventilation.

Appropriate engineering controls

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.
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Hand protection
Wear protective gloves made of the following material: Rubber or plastic. 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
Wear apron or protective clothing in case of contact.

Hygiene measures
Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>Light (or pale). Grey.</td>
</tr>
<tr>
<td>Melting point</td>
<td>n/d°C</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>&gt;200°C @</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200°C</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt;0.01 mmHg @ °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.81 @ 20 °C°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt;400°C</td>
</tr>
</tbody>
</table>

9.2. Other information
Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity Acids. Strong oxidising agents.

10.2. Chemical stability
Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid
Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials
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Materials to avoid

Avoid contact with the following materials: Acids. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products


SECTIO N 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 13,368.98

Acute toxicity - dermal

ATE dermal (mg/kg) 19,153.29

Acute toxicity - inhalation

ATE inhalation (gases ppm) 47,452.65

ATE inhalation (vapours mg/l) 116.0

ATE inhalation (dusts/mists mg/l) 15.82

General information

The product contains an epoxy resin. May cause sensitisation or allergic reactions in sensitive individuals.

Skin contact

Irritating to skin. Prolonged and frequent contact may cause redness and irritation. May cause sensitisation by skin contact.

Eye contact

Irritating to eyes. A single exposure may cause the following adverse effects: Corneal damage.

Acute and chronic health hazards

Prolonged or repeated exposure may cause severe irritation.

Route of entry

Inhalation Ingestion. Skin absorption

SECTIO N 12: Ecological Information

Ecotoxicity

Avoid release to the environment. The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity

Not considered toxic to fish.

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.

12.4. Mobility in soil

Mobility

Do not discharge into drains or watercourses or onto the ground.

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 available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

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

Waste class 08 04 09*

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

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

Transport labels No transport warning sign required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

No information required.

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 No information required.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 05/04/2018
KORROBOND 65 COMPONENT A

Revision 27
Supersedes date 11/08/2017

Hazard statements in full
H226 Flammable liquid and vapour.
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.
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.