

# MATERIAL SAFETY DATA SHEET

## GENERAL PURPOSE ADHESIVE - PACK A

### SECTION 1. Identification of the substance/mixture and of the company/undertaking.

- 1.1 Product identifier : Epoxy Products General Purpose Adhesive - Pack A
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Use of the substance/mixture : Epoxy resin adhesive or gap filler
- 1.3 Details of the supplier of the safety data sheet : Epoxy Products Limited, Unit 7 Haviland Road, Ferndown Industrial Estate,  
Wimborne, Dorset. BH21 7RZ England  
Tel No. +44 (0) 1202 891899
- Email Address – Technical Information : [sales@epoxyproducts.co.uk](mailto:sales@epoxyproducts.co.uk)
- Telephone : +44 (0) 1202 891899
- 1.4 Emergency telephone number : +44 (0) 1202 891899

### SECTION 2. Hazards Identification

- 2.1 Classification of the substance or mixture  
Classification according to Regulation 1272/2008 (CLP)  
Skin corrosion/irritant - Category 2 H315 : Causes skin irritation.  
Eye damage/irritant – Category 2 H319 : Causes serious eye irritation  
Skin sensitisation - Category 1 H317 : May cause an allergic skin reaction.  
Aquatic Chronic - Category 2 H411 : Toxic to aquatic life with long lasting effects.

#### 2.2 Label Elements

Hazard pictograms/symbols



Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- Prevention : Wear protective gloves  
Wear eye or face protection  
Avoid release to the environment
- Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Disposal : Disposal of contents/container to be specified in accordance with national regulations.

#### 2.3 Other Hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annexe X111

Not Applicable

### SECTION 3. Composition/Information on Ingredients

| Component  | EINECS    | CAS Number | Concentration % | Classification (CLP)  | REACH REG        |
|--|-----------|------------|-----------------|---|------------------|
| Epoxy Resin Bisphenol Type A<br>(Mol. Wt.<700)                             | 500-033-5 | 25068-38-6 | <25             | Skin Corr/Irrit. 2; H315<br>Eye Dam/Irrit. 2 ; H319<br>Skin Sens. 1 ; H317<br>Aquatic Chronic 2, H411 | 01-2119456619-26 |
| Formaldehyde, polymer with<br>(chloromethyl) oxirane and<br>Phenol, MW<700 | 500-006-8 | 9003-36-5  | <15             | Skin Corr/Irrit. 2; H315<br>Skin Sens. 1 ; H317<br>Aquatic Chronic 2, H411                            | 01-2119454392-40 |
| Oxirane, mono{(C12-C14-alkyloxy)<br>methyl} derivs.                        | 271-846-8 | 68609-97-2 | <5              | Skin Corr/Irrit. 2; H315<br>Skin Sens. 1 ; H317   | 01-2119485289    |

### SECTION 4 First-aid measures

- 4.1 Description of first aid measures
- Eye Contact : Rinse immediately with plenty of water also under the eyelids for at least 10 minutes. Remove contact lenses. Get medical attention.
- Skin Contact : Wash off immediately with plenty of water for at least 10 minutes. Wash off with soap and water. Immediately remove contaminated clothing and any extraneous chemical without delay.
- Ingestion : Wash out mouth with water. If victim has swallowed material and is still conscious give small amounts of water to drink. Stop if person feels sick. Do not induce vomiting unless directed to do so by medical personnel.. Seek immediate medical attention.

- 4.2 Most important symptoms and effects, both acute and delayed.
- |                                |  |
|--------------------------------|--|
| Potential acute health effects |  |
| Eye contact                    | Causes serious eye irritation  |
| Inhalation                     | No known significant effects or critical hazards   |
| Skin contact                   | Causes skin irritation. May cause an allergic skin reaction                              |
| Ingestion                      | Irritating to mouth, throat and stomach.   |
| Over exposure signs/symptoms   |  |
| Eye contact                    | Adverse symptoms may include the following:<br>Pain or irritation<br>Watering<br>Redness |
| Inhalation                     | No known significant effects or critical hazards   |
| Skin contact                   | Adverse symptoms may include the following:<br>Irritation<br>Redness                     |
| Ingestion                      | No specific data   |
- 4.3 Indication of any immediate medical attention and special treatment needed  
No specific treatment

#### SECTION 5. Fire-fighting measures

- 5.1 Extinguishing media
- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | None known  |
- 5.2 Special hazards arising from the substance  
Hazards from the substance or mixture Incomplete combustion may form carbon dioxide ,carbon monoxide and halogenated compounds.
- 5.3 Advice for fire-fighters  
Special protective actions for fire fighters Promptly isolate the scene by removing all persons from the vicinity of the fire.  
Special protective equipment for fire fighters Fire fighters should wear appropriate protective equipment.

#### SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
Wear suitable protective clothing, gloves and eye/face protection
- 6.2 Environmental precautions  
Prevent contamination of soil and water.  
Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
- 6.3 Methods and material for containment and cleaning up  
Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage

#### SECTION 7. Handling and storage

- 7.1 Precautions for safe handling  
Protective measures  
Wear appropriate personal protective equipment. Avoid contact with eyes, skin or clothing. Do not ingest. Keep containers closed when not in use.
- Advice on general occupational hygiene  
Do not eat, drink or smoke when handling this product. Wash hands after handling.
- 7.2 Conditions for safe storage, including any incompatibilities  
Keep containers tightly closed in a dry, cool and well ventilated areas  
Do not store in unlabelled containers.

#### SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters  
Occupational exposure limits No exposure limit value known
- 8.2 Exposure controls  
Provide readily accessible eye wash stations and safety showers. Provide natural or explosion proof ventilation adequate to ensure concentrations are kept below explosion limits.
- Personal protective equipment
- |  |   |
|--|---|
| Hand protection                                | Chemically resistant, impervious gloves should be worn at all times when handling.  |
| Butyl rubber, Nitrile rubber, neoprene gloves, | impervious gloves, latex or vinyl disposable gloves.                                |
| Eye/face protection                            | Protective eye glasses or goggles must be worn.                                     |
| Skin and body protection                       | Standard issue work clothes. Long sleeve shirts, trousers or overalls must be worn. |
| Environmental exposure controls                | Construct a dike to prevent spreading.  |

#### SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- |                       |                                   |
|-----------------------|-----------------------------------|
| Physical state/colour | Viscous liquid in various colours |
| Odour                 | Not available                     |
| Relative density      | Not available                     |
| Flash Point           | 150°C                             |
| Viscosity             | Not available                     |
| Ph                    | Not available                     |

## SECTION 10. Stability and reactivity

|      |                                    |   |
|------|------------------------------------|---|
| 10.1 | Reactivity                         | Stable under normal conditions  |
| 10.2 | Chemical stability                 | This product is stable  |
| 10.3 | Possibility of hazardous reactions | No specific data  |
| 10.4 | Conditions to avoid                | No specific data  |
| 10.5 | Incompatible materials             | No specific data  |
| 10.6 | Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced |

## SECTION 11. Toxicological information

|      |  |  |
|------|--|--|
| 11.1 | Information on toxicological effects   |  |
|      | Acute Toxicity   |  |
|      | No data available on the product itself.   |  |
|      | Components - Oral  |  |
|      | Epoxy Resin Bisphenol Type A   | No acutely toxic in rat and mouse studies, LD50>2000mg/kg  |
|      | Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs. | No acutely toxic in rat and mouse studies, LD50>2000mg/kg<br><br>LD50 >2.0grams (Female Rat) and LD50 = 26.8 grams (Male Rat)    |
|      | Components - Inhalation  |  |
|      | Epoxy Resin Bisphenol Type A   | Due to the low vapour pressure, meaning full acute inhalation studies could not be conducted.                                    |
|      | Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs. | No specific data<br><br>No mortalities were observed in rats exposed for 7 hours to the saturated vapour (150mg/m <sup>3</sup> ) |
|      | Components – Dermal  |  |
|      | Epoxy Resin Bisphenol Type A   | No acutely toxic in rat and mouse studies, LD50>2000mg/kg  |
|      | Formaldehyde, polymer with (chloromethyl) oxirane and phenol, Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs. | No specific data<br><br>No specific data   |
|      | Potential acute health effects   |  |
|      | Eye contact  | Causes serious eye irritation.   |
|      | Inhalation   | Irritating to mouth, throat and stomach.   |
|      | Ingestion  | No known significant effects or critical hazards   |
|      | Over exposure signs/symptoms   |  |
|      | Eye contact  | Adverse symptoms may include the following:<br>Pain or irritation<br>Watering<br>Redness   |
|      | Inhalation   | No known significant effects or critical hazards   |
|      | Skin contact   | Adverse symptoms may include the following:<br>Irritation<br>Redness   |
|      | Ingestion  | No specific data   |
|      | Chronic toxicity or effects from long term exposures   |  |
|      | Carcinogenicity  | No known significant effects or critical hazards   |
|      | Reproductive toxicity  | No known significant effects or critical hazards   |
|      | Germ cell mutagenicity   | No specific data is available.   |

## SECTION 12. Ecological information

|      |  |   |
|------|--|---|
| 12.1 | Toxicity   |   |
|      | Aquatic toxicity                                 | No data is available on the products itself   |
|      | Epoxy Resin Bisphenol Type A                     | Acute LC50 1.30 mg/l Fish   |
|      | Formaldehyde, polymer                            | Acute LC50 2.54 mg/l Fish   |
|      | Oxirane, mono{(C12-C14-alkyloxy) methyl} derivs. | Acute LC50 1.80 mg/l Fish – Rainbow Trout<br>Acute EC50 844 mg/l Aquatic Plants - Algae |
| 12.2 | Persistence and degradability                    | No data available   |
| 12.3 | Bioaccumulative potential                        | No data available   |
| 12.4 | Mobility in soil                                 | No data is available  |

## SECTION 13. Disposal considerations

|      |                         |   |
|------|-------------------------|---|
| 13.1 | Waste treatment methods |   |
|      | Product                 | Waste to be treated as controlled waste. Dispose to licensed waste disposal site. In accordance with local waste disposal authority.  |
|      | Packaging               | Keep container labelled until cleaned and then remove or deface labels. Drain container thoroughly and rinse well with water. Treat rinsings as for product disposal. Empty packaging should be removed by a licensed waste contractor. |

**SECTION 14 Transport information**

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport Hazard Class
- 14.4 Packaging Group

**Land Transport ADR / ADN**

|                         |   |
|-------------------------|---|
| UN Number               | 3082  |
| UN Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID<br>N.O.S. ( LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER) |
| Transport Hazard Class  | 9   |
| Packaging Group         | 111   |

**Air Transport ICAO / IATA**

|                          |   |
|--------------------------|---|
| UN Number                | 3082  |
| UN Proper Shipping Name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID<br>N.O.S. ( LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER) |
| Transport Shipping Class | 9   |
| Packaging Group          | 111   |

**Maritime Transport IMO / IMDG**

|                          |   |
|--------------------------|---|
| UN Number                | 3082  |
| UN Proper Shipping Name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID<br>N.O.S. ( LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER) |
| Transport Shipping Class | 9   |
| Packaging Group          | 111   |

- 14.5 Environmental hazards  
Environmentally hazardous and/or marine pollutant : YES

**SECTION 15. Regulatory information**

- 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture  
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances to authorisation.  
Substances of very high concern

|                       |   |            |
|-----------------------|---|------------|
| Carcinogen            | : | Not listed |
| Mutagen               | : | Not listed |
| Toxic to reproduction | : | Not listed |
| PBT                   | : | Not listed |
| VPvB                  | : | Not listed |

**SECTION 16. Other Information**

**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 |

**Full Text of Classifications (CLP)**

|  |  |
|--|--|
| Skin Corrosion/Irritation Category 2, H315 | Skin Corrosion/Irritation – Category 2         |
| Skin Sensitisation Category 1, H317        | Skin Sensitisation - Category 1                |
| Eye Damage/Irritation Category 2, H319     | Serious Eye Damage/Eye Irritation – Category 2 |
| Aquatic Chronic Category 2, H411           | Aquatic Hazard (Long lasting) – Category 2     |

|              |   |   |
|--------------|---|---|
| Date Issued  | : | 14.01.2016  |
| Reference    | : | GPA/A/02  |
| Product Code | : | Epoxy Products General Purpose Adhesive - Pack A) |
| Intended Use | : | Epoxy resin adhesive.                             |

The information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

# MATERIAL SAFETY DATA SHEET

## GENERAL PURPOSE ADHESIVE - PACK B

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

|     |   |   |  |
|-----|---|---|--|
| 1.1 | Product identifier  | : | Epoxy Products General Purpose Adhesive - Pack B   |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | : |  |
|     | Use of the substance/mixture  | : | Epoxy Curing Agent   |
| 1.3 | Details of the supplier of the safety data sheet                              | : | Epoxy Products Limited, Unit 7 Haviland Road, Ferndown Industrial Estate,<br>Wimborne, Dorset. BH21 7RZ England<br>Tel No. +44 (0) 1202 891899 |
|     | Email Address – Technical Information   | : | <a href="mailto:sales@epoxyproducts.co.uk">sales@epoxyproducts.co.uk</a>   |
|     | Telephone   | : | +44 (0) 1202 891899  |
| 1.4 | Emergency telephone number  | : | +44 (0) 1202 891899  |

### SECTION 2: Hazards Identification

|     |  |  |
|-----|--|--|
| 2.1 | Classification according to Regulation 1272/2008 (CLP) |  |
|     | Acute Tox. Dermal - Category 4                         | H312 Harmful in contact with skin  |
|     | Acute Tox. Oral - Category 4                           | H302 Harmful if swallowed  |
|     | Skin Corr. Category 1B                                 | H314 Causes severe skin burns and eye damage                                   |
|     | Eye Dam. Category 1                                    | H318 Causes serious eye damage   |
|     | Skin Sens. Category 1                                  | H317 May cause an allergic skin reaction                                       |
|     | Reproductive Tox. Category 2                           | H361fd Suspected of damaging fertility. Suspected of damaging the unborn child |
|     | Chronic Aquatic Tox. Category 1                        | H410 Very toxic to aquatic life with long lasting effects.                     |

#### 2.2 Label Elements

Hazard pictograms/symbols



Signal word : Danger

Hazard Statements:

|        |   |
|--------|---|
| H302   | Harmful if swallowed  |
| H312   | Harmful in contact with skin  |
| H314   | Causes severe skin burns and eye damage                                 |
| H317   | May cause an allergic skin reaction                                     |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child |
| H410   | Very toxic to aquatic life with long lasting effects.                   |

Precautionary Statements:

|                |  |
|----------------|--|
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/ eye protection/face protection   |
| P305+P351+P338 | IF IN EYES) Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTRE/doctor.   |
| P501           | Disposal of contents/container to be specified in accordance with national regulations   |

#### 2.3 Other Hazards

Results of PBT and vPvB assessment – not applicable

### SECTION 3. Composition/Information on Ingredients

| Substance/Mixture          | : Mixture |            |                 |  |                  |
|----------------------------|-----------|------------|-----------------|--|------------------|
| Component                  | EINECS    | CAS Number | Concentration % | Classification (CLP)   | REACH REG        |
| 2-Piperazin-1-ylethylamine | 205-411-0 | 140-31-8   | 10 -15          | Acute Tox. Dem 3 H311<br>Acute Tox. Cat 4: H302<br>Skin Corr. Cat 1B: H314<br>Skin Sens. Cat 1: H317                         | 01-2119471486-30 |
| Phenol, 4-nonyl- branched  | 284-325-5 | 84852-15-3 | 10 -15          | Aquatic Chronic Cat 3: H412<br>Repr. 2 H361fd<br>Acute Tox. Oral Cat 4: H302<br>Skin Corr. 1B H314<br>Aquatic Chronic 1 H410 |                  |

### SECTION 4: First-aid measures

#### 4.1 Description of first aid measures

|                |   |
|----------------|---|
| General advice | Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen maybe indicated. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation immediately. |
| Eye Contact    | Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses.   |

|  |  |
|--|--|
| Skin Contact   | Wash off immediately with plenty of water for at least 20 minutes. Wash off with soap and water. Immediately remove contaminated clothing and any extraneous chemical without delay. |
| Ingestion  | Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victims head to one side.   |
| Inhalation   | Remove to fresh air.   |
| 4.2 Most important symptoms and effects, both acute and delayed.               |  |
| Symptoms   | No data available  |
| 4.3 Indication of any immediate medical attention and special treatment needed | No data available  |

#### SECTION 5. Fire-fighting measures

|  |  |
|--|--|
| 5.1 Extinguishing media                        | Alcohol resistant foam, carbon dioxide, dry chemical, dry sand or limestone powder   |
| Extinguishing media – Not suitable             | No data available  |
| 5.2 Special hazards arising from the substance | Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated |
| 5.3 Advice for fire-fighters                   | Avoid contact with skin. Use personal protective equipment. Wear self-contained breathing apparatus for fire fighting if necessary.  |

#### SECTION 6. Accidental release measures

|  |   |
|--|---|
| 6.1 Personal precautions, protective equipment           | Wear suitable protective clothing, gloves and eye/face protection. Use self contained breathing   |
| 6.2 Environmental precautions                            | Prevent contamination of soil and water.<br>Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. |
| 6.3 Methods and material for containment and cleaning up | Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage  |

#### SECTION 7. Handling and storage

|  |  |
|--|--|
| 7.1 Precautions for safe handling                                | Do not use sodium nitrate or other nitrosating agents in formulations containing this product. Suspected cancer causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke. |
| 7.2 Conditions for safe storage, including any incompatibilities | Do not store near acids. Keep away from alkalis. Keep containers tightly closed in a dry, cool and well ventilated place.  |

#### SECTION 8. Exposure controls/personal protection

|  |   |
|--|---|
| 8.1 Control parameters                         | If applicable, refer to the extended section of the MSDS (available upon request)   |
| 8.2 Exposure controls                          | Provide readily accessible eye wash stations and safety showers. Provide natural or explosion proof ventilation adequate to ensure concentrations are kept below explosion limits.        |
| 8.3 Personal protective equipment              |   |
| Hand protection                                | Chemically resistant, impervious gloves should be worn at all times when handling.  |
| Butyl rubber, Nitrile rubber, neoprene gloves, | impervious gloves, latex or vinyl disposable gloves.  |
| Eye/face protection                            | Protective eye glasses or goggles must be worn.   |
| Skin and body protection                       | Standard issue work clothes. Long sleeve shirts, trousers or overalls must be worn.   |
| Environmental exposure controls                | Construct a dike to prevent spreading.  |
| Special instructions for protection and        | Discard contaminated clothing. Provide accessible eye wash stations and safety showers. Wash hands at the end of each workshift and before eating, drinking, smoking or using the toilet. |

#### SECTION 9. Physical and chemical properties

|   |                              |
|---|------------------------------|
| 9.1 Information on basic physical and chemical properties |                              |
| Physical state/colour                                     | Black paste                  |
| Odour   | Fishy                        |
| Flash Point   | >200°C                       |
| Autoignition temperature                                  | No data available            |
| Self inflammability                                       | Product is not self-igniting |
| Danger of explosion                                       | Product is not explosive     |
| Ph  | Alkaline                     |

#### SECTION 10. Stability and reactivity

|   |  |
|---|--|
| 10.1 Reactivity                         | Refer to possibility of hazardous reactions and/or incompatible materials section  |
| 10.2 Chemical stability                 | Stable under normal conditions   |
| 10.3 Possibility of hazardous reactions | No data available  |
| 10.4 Conditions to avoid                | No data available  |
| 10.5 Incompatible materials             | Sodium Hypochlorite<br>Organic and mineral acids<br>Product slowly corrodes copper, aluminium, zinc and galvanised surfaces. |
| 10.6 Hazardous decomposition products   | Nitric acid<br>Ammonia<br>Nitrogen oxides  |

Carbon dioxide  
Aldehydes  
Flammable hydrocarbon fragments  
Organic acid vapours

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

|  |   |
|--|---|
| Acute Toxicity                                       |   |
| Acute Oral Toxicity                                  | LD50: 1,620 mg/kg Species: Rat                        |
| Acute Inhalation Toxicity -                          | No data available on the product itself.              |
| Acute Dermal Toxicity                                | No data available on the product itself.              |
| Acute Dermal Toxicity                                | LD50: 1,000 mg/kg Species: Rabbit                     |
| Skin corrosion/irritation                            | Non irritant to the skin of a rabbit                  |
| Serious eye damage/ eye irritation                   | Non irritant to the eyes of a rabbit                  |
| Respiratory or skin sensitisation                    | Sensitisation of susceptible persons by skin contact. |
| Chronic toxicity or effects from long term exposures |   |
| Carcinogenicity                                      | No data is available                                  |
| Reproductive toxicity                                | No data is available on the product itself            |
| Germ cell mutagenicity                               | No data is available on the product itself.           |

## SECTION 12. Ecological information

### 12.1 Toxicity

|                                  |   |
|----------------------------------|---|
| Aquatic toxicity                 | No data is available on the products itself           |
| Toxicity to fish – Components    |   |
| Nonyl Phenol                     | LC50 (96 h) : 0.128 mg/l Species: Fish Fathead minnow |
| Toxicity to daphnia - Components |   |
| Nonyl Phenol                     | EC50 (48 h) : 0.084 mg/l Species: Daphnia Magna       |

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

Bioaccumulative – Components  
Nonyl Phenol

Moderate bioaccumulation potential

### 12.4 Mobility in soil

No data is available

### 12.5 Results of PBT and vPvB assessment

Both not applicable

## SECTION 13. Disposal considerations

Waste treatment methods

Waste to be treated as controlled waste. Dispose to licensed waste disposal site. In accordance with local waste disposal authority.

Contaminated Packaging

Keep container labelled until cleaned and then remove or deface labels. Empty packaging should be removed by a licensed waste contractor.

## SECTION 14. Transport Information

### 14.1 UN Number

### 14.2 UN Proper shipping name

### 14.3 Transport Hazard Class

### 14.4 Packaging Group

#### Land Transport ADR / ADN

|                         |   |
|-------------------------|---|
| UN Number               | 2735  |
| UN Proper Shipping Name | AMINES, LIQUID, CORROSIVE N.O.S (Nonyl Phenol, Amino ethyl) piperazine, 1-(2-, (AEP)) |
| Transport Hazard Class  | 8   |
| Packaging Group         | 11  |
| Marine Pollutant        | Yes   |

#### Air Transport ICAO / IATA

|                          |   |
|--------------------------|---|
| UN Number                | 2735  |
| UN Proper Shipping Name  | AMINES, LIQUID, CORROSIVE N.O.S (Nonyl Phenol, Amino ethyl) piperazine, 1-(2-, (AEP)) |
| Transport Shipping Class | 8   |
| Packaging Group          | 11  |
| Marine Pollutant         | Yes   |

#### Maritime Transport IMDG

|                          |   |
|--------------------------|---|
| UN Number                | 2735  |
| UN Proper Shipping Name  | AMINES, LIQUID, CORROSIVE N.O.S (Nonyl Phenol, Amino ethyl) piperazine, 1-(2-, (AEP)) |
| Transport Shipping Class | 8   |
| Packaging Group          | 11  |
| Marine Pollutant         | Yes   |

## SECTION 15. Regulatory information

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

Country : EU  
Regulatory List : EINECS  
Notification : Included on EINECS inventory

## SECTION 16. Other Information

Hazard Statements

H302 Harmful if swallowed  
H311 Toxic in contact with skin  
H314 Causes severe skin burns and eye damage  
H317 May cause an allergic skin reaction  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects  
H412 Harmful to aquatic life with long lasting effects

Date Issued : 15.01.2016  
Reference : GPA/B/02  
Product Code : Epoxy Products General Purpose Adhesive (Hardener - Pack B)  
Intended Use : Epoxy resin adhesive

The information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.