

1. Identification of the substance/preparation and company

Product Name: **Peran WW Base A**

Use: Epoxy resin based component of a 2 pack epoxy coating.
Mixed product is applied using a roller.

Uses advised against: Home DIY applications.

Manufacturer:

Flowcrete UK Ltd., The Flooring Technology Centre, Booth Lane, Moston, Sandbach, Cheshire. UK. CW11 3QF
Tel: +44 (0)1270 753000 (Office hours 9 am to 5pm, Mon-Fri) Fax: +44 (0)1270 753333
E-mail: ehs.uk@flowcrete.com Website: <http://www.flowcrete.co.uk>

2. Hazards Identification

2.1 Classification according to Directive DPD 1994/45/EC

Xi; Irritant. Irritating to eyes and skin.

Xi; Irritant. May cause sensitization by skin contact.

N; Dangerous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements: Labelling to Regulation (EC) no 1907/2006

Hazardous component(s) which must be listed on the label : Bisphenol A – epoxy resins, mw <700.



Xi - Irritant



N – Dangerous for the environment

Symbols:

R-phrases

- R36/38 : Irritating to eyes and skin.
- R43 : May cause sensitization by skin contact.
- R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

- S28 : After contact with skin, wash immediately with plenty of water and soap.
- S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
- S60 : This material and its container must be disposed of as hazardous waste.
- S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

Special provisions statement : Contains epoxy constituents. See information supplied by the manufacturer.

2.3 Other Hazards

PBT or vPvB: Does not meet the criteria (Regulation No 1207/2006, Annex XIII).

UK workplace exposure limits (WELs) - None set for ingredients.

Acute effects: Contact with eyes may cause mild irritation and discomfort.
Contact with skin causes irritation, redness and discomfort which is transient.

Repeated and /or prolonged exposure may cause an allergic eczema reaction/sensitisation.

Once sensitised, an individual may produce an allergic reaction every time they are in contact with epoxy resin.

Persons who are sensitised to epoxy resin should not work with this material.

3. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by wt	Classification to DSD (67/548/EEC) Symbols and Risk Phrases
Bisphenol A epoxy resins, mw <700	-	25068-38-6	40 - 60	Xi; N; R43. R36/38. R51/53.

Also may contain water, various pigments, thixotropic agents, surfactants and additives which are not classified as hazardous or are present at a concentration below the reporting requirements.

Ingredient Classifications to GHS/CLP regulations (1272/2008/CE):

Bisphenol A epoxy resins, mw <700

Skin Irritation Category 2 (H315). Eye Irritation Category 2 (H319). Skin sensitization Category 1 (H317).

Aquatic toxicity (chronic) Category 2 (H411).

See section 16 Additional information, for full text regarding symbols, Risk phrases (R) and Hazard statements (H) given above.

4. First Aid measures

- General Information** : In case of accident or you feel unwell, seek medical advice and take the relevant safety data sheets. Never give anything by mouth to an unconscious person.
- Inhalation** : Move to fresh air. If breathing has stopped or is laboured give assisted respiration (e.g. mouth to mouth). If symptoms persist seek medical advice. Prevent aspiration of vomit, turn victim's head to the side.
- Skin contact** : Remove contaminated clothing and shoes. Remove product from skin and wash with soap and plenty of water. Clean with detergents, avoid use of solvents.
- Eye Contact** : Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.
- Ingestion** : Immediately seek medical advice. Do not induce vomiting (unless under medical supervision). If a person vomits when lying on his back, place him in the recovery position.

5. Fire-fighting measures

- Suitable extinguishing media** : Water spray, carbon dioxide (CO₂), foam or dry powder.
- Un-Suitable extinguishing media** : High volume water jet.
- Special exposure hazards** : Burning produces noxious and toxic fumes – carbon monoxide and dioxide.
- Special protective equipment** : Wear self-contained breathing apparatus and protective suit.
- Additional information** : Standard procedure for chemical fires.
Water mist may be used to cool closed containers.

6. Accidental release measures

- Personal precautions** : Keep unauthorised people away. Use personal protective equipment as detailed in Section 8. Ensure adequate ventilation. Do not breathe vapours.
- Environmental precautions** : Prevent the product from entering drains.
Avoid subsoil penetration. Do not contaminate surface water.
- Methods for cleaning up** : Soak up with an inert absorbent material (e.g. sand) and dispose of as hazardous waste.

7. Handling and storage

- Handling** : Provide sufficient air exchange and/or exhaust in workrooms. Avoid formation of aerosol.
Ensure adequate ventilation.
Use personal protective equipment as detailed in Section 8.
Handle and open container with care. Do not eat, drink or smoke when handling.
- Storage** : Keep containers tightly closed and store in a well-ventilated place at 15 - 40 °C.
Keep away from drink, food, food containers and animal feeding stuffs.
Do not store with strong bases, strong acids and strong oxidising agents.

8. Exposure controls/personal protection

There are no ingredients with UK Workplace Exposure Limits.

Engineering measures to reduce exposure : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment :

Respiratory protection : Not required under normal conditions in a well ventilated workplace.

Eye protection : Closely fitting safety goggles or face shield.

Hand protection : Rubber or plastic gloves (nitrile-butyl, PVC).

The performance of gloves of a specific type can vary from supplier to supplier. Take note of the information from the glove suppliers concerning permeability and break through times and of any special workplace conditions (e.g. mechanical strain, duration of contact). Check gloves regularly for degradation/holes and replace as necessary.

Skin and body protection : Protective suit and heavy duty work shoes.

Protective measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and immediately after handling the product.
When using do not eat, drink or smoke. Eye wash facility.

9. Physical and chemical properties

Appearance	: Liquid	pH	: Not determined.
Odour	: slight	Relative Density	: ~1.07
Boiling Point	: ~100°C	Water miscibility	: Miscible
Flashpoint	: >100°C	Explosion limits	: Not explosive.
Vapour pressure	: < 0.000001 Pa at 20°C for epoxy resin (100Pa = 1mbar)		

10. Stability and reactivity

Material is stable if stored under recommended storage and handling conditions.

Material decomposes at high temperatures.

Conditions to avoid : Take precautionary measures against extremes of temperature.
Avoid temperatures above 40°C. Excessive heating over a prolonged period of time degrades the product, causing discoloration.

Materials to avoid : Strong oxidising agents. Strong acids and strong bases.

Hazardous decomposition products : Burning produces noxious and toxic fumes. Under conditions of incomplete combustion or pyrolysis, phenolics and carbon oxides may be evolved.

11. Toxicological information

Acute oral toxicity : LD₅₀ (rat) dose > 5,000 mg/kg (epoxy resin).

- Inhalation** : May be mildly irritating. Irritating vapour can be formed when heated or during spraying.
- Ingestion** : May be irritating to mouth and pharynx.
- Eye irritation** : Irritating, may cause a sting.
- Skin Irritation** : Irritating.
- Sensitisation** : Causes sensitisation – prolonged or repeated contact may result in an allergic eczema reaction each time the person is in contact with the material.
- Carcinogenicity** : A review of available data for the type of epoxy resin used in this product by the IARC (International Agency for Research into Cancer) has concluded: Group 3: Unclassifiable as to carcinogenicity to humans.

12. Ecological information

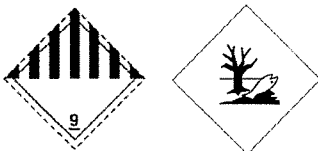
- Ecotoxicity** : Epoxy resin - EC₅₀/48 hr/Daphnia Magna = 3.6 mg/l.
LC₅₀/96 hr/rainbow trout = ~1.5 mg/l
- Mobility** : Mobile
- Persistence and degradability** : Not readily biodegradable.
- Bioaccumulative potential** : No data available.
- Additional ecological information** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid subsoil penetration. Prevent product from entering drains, do not contaminate surface water.

13. Disposal considerations

- Unused Product/waste from cleaning etc.** : Must be disposed in compliance with local regulations.
In the EU, use EC Waste Catalogue (EWC) code: 08 01 19*, a hazardous waste.
Unused product can be mixed with Hardener B and disposed of under EC Waste Catalogue (EWC) code: 08 01 20 (not a hazardous waste).
Remove/invalidate the warning label.
- Contaminated packaging** : Partially filled containers shall be disposed of as for the product above.
If the container has been used for mixing with the Hardener, it can be disposed of as non-hazardous packaging waste, the residues will be reacted and inert.
In the EU, use EWC Code 150104 for metal. Remove/invalidate the warning label.
Well drained containers, that have not been used for mixing, shall be disposed of as hazardous packaging waste. Use EWC Code 150110*.

14. Transport information

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. **UN No:** 3082



ADR/RID

- | | | | |
|---------------------------|----------------------------------|--------------------------------|-------|
| Class | : 9 | Environmental Hazard | : Yes |
| HI No | : 90 | Packing Group | : III |
| Transport Category | : 3 | Tunnel Restriction Code | : (E) |
| Contains | : Bisphenol A epoxy resin MW<700 | | |

IMO

Class : 9 **Marine Pollutant** : Yes
Packing Group : III **Environmental Hazard** : Yes
Contains : Bisphenol A epoxy resin MW<700

IATA

Class : 9 **Packing Group** : III
Contains : Bisphenol A epoxy resin MW<700

15. Regulatory information

Subject to EU Directive 96/82 EC (Seveso II Directive), category 9b, R51, Dangerous for the environment. (Control of Major Accident Hazards (COMAH) Regulations in the UK).

EC Directives Dangerous Substances Directive, 67/548/EEC & adaptations.
 Dangerous Preparations Directive, 1999/45/EC.
 Safety Data Sheets Directive, 91/155/EEC and adaptations.
 Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) No. 1272/2008.

UK Statutory Instruments Chemicals (Hazard Information & Packaging for Supply) Regs. (CHIP).
 Control of Substances Hazardous to Health Regs. (COSHH).
 Environmental Protection (Duty of Care) Regs.

UK Codes of Practice Waste Management. The Duty of Care.
 Approved classification and labelling guide (Sixth edition). L131.
 The compilation of safety data sheets (Third edition).

UK Guidance Notes Workplace Exposure Limits EH40.
 CHIP for Everyone HSG (228).

GHS = Globally Harmonised System (UN system of classification being adopted worldwide).
CLP = Classification, Labelling and Packaging (EU implementation of GHS).

16. Other Information

This safety data sheet has been prepared in accordance with Regulation (EC) no 1907/2006.

The text has changed in sections 1, 2, 3, 7, 8, 14, 15 and 16 - mainly due to the addition of GHS/CLP information and change in format.

UK users of our products should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

Training Advice

Applicators need to be trained in:-
Handling and hygiene associated with use of industrial chemicals.
Correct mixing and application of the product.
Correct cleaning and disposal methods.

Restrictions on Use

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

Notes

Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis.
Some solvents can be absorbed through the skin.
Beware of cross contamination where different products are in use in the same location.

Classification(s) and Risk (R) phrase(s) referred to in this document:

Xi : Irritant
R36/38 : Irritating to eyes and skin.
R43 : May cause sensitisation by skin contact.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

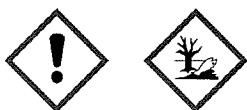
N : Dangerous for the environment

GHS Labelling - Labelling to Regulation (EC) no 1272/2008/CE

Hazardous components which must be listed on the label

CAS No. 25068-38-6 Bisphenol A – epoxy resins, mw <700.

Pictograms:



Signal word: Warning

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.
EUH205 : Contains epoxy constituents. May produce an allergic reaction.

Note: From June 2015 all EU labelling and safety data sheets (SDS) will give data in GHS/CLP format only.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.

1. Identification of the substance/preparation and company

Product Name: Peran WW Hardener B

Use: Amine component of a 2 pack epoxy coating. Mixed product is applied using a roller.

Uses advised against: Home DIY applications.

Manufacturer:

Flowcrete UK Ltd., The Flooring Technology Centre, Booth Lane, Moston, Sandbach, Cheshire. UK. CW11 3QF
Tel: +44 (0)1270 753000 (Office hours 9 am to 5pm, Mon-Fri) Fax: +44 (0)1270 753333
E-mail: ehs.uk@flowcrete.com Website: <http://www.flowcrete.co.uk>

2. Hazards Identification

2.1 Classification according to Directive DPD 1994/45/EC

C; Corrosive. Causes severe burns.
Xi; Irritant (Sensitizer). May cause sensitisation by skin contact.

2.2 Label elements: Labelling to Regulation (EC) no 1907/2006

Hazardous component(s) which must be listed on the label :

Polyoxypropylene diamine. 3-Aminomethyl-3,5,5-Trimethylcyclohexylamine. 3-[(6-aminotrimethylhexyl)amino]propionitrile



Symbols:

Corrosive

R-phrases

- R34 : Causes severe burns.
R43 : May cause sensitization by skin contact.

S-phrases

- S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or you feel unwell, seek medical advice immediately (show the label where possible).
S61 : Avoid release to the environment. Refer to special instructions/safety data sheet.

Special provisions statement : Keep liquid above freezing.

2.3 Other Hazards

PBT or vPvB: Does not meet the criteria (Regulation No 1207/2006, Annex XIII).

UK workplace exposure limits (WELs) - None set for ingredients.

Acute effects: Contact of undiluted product with the eyes or skin quickly causes severe irritation and pain and may cause burns, necrosis and permanent injury. Burns of the eye may cause blindness.
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of the oesophagus and stomach.

Repeated and /or prolonged exposure may cause an allergic eczema reaction/sensitisation.

Once sensitised, an individual may produce an allergic reaction every time they are in contact with this material.

Persons who are sensitised to this material should not work with it.

This product contains an ingredient which is classified as harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by wt	Classification to DSD (67/548/EEC) Symbols and Risk Phrases
Polyoxypropylene diamine	-	9046-10-0	3 - 8	C; R21/22. R34.
3-[(6-aminotrimethylhexyl)amino]propionitrile	300-511-1	93941-62-9	3 - 8	C. R22. R34. R43.
Isophoronediamine	220-666-8	2855-13-2	1 - 5	C; R21/22. R34. R43. R52/53.
Synonym: 3-Aminomethyl-3,5,5-Trimethylcyclohexylamine.				

Ingredient Classifications to GHS/CLP regulations (1272/2008/CE):

Polyoxypropylene diamine

Skin corrosion/Irritation Cat. 1B (H314). Acute toxicity (oral) Cat. 4 (H302). Acute toxicity (dermal) Cat. 4 (H312).

3-[(6-aminotrimethylhexyl)amino]propionitrile

Skin corrosion/Irritation Cat. 1B (H314). Acute toxicity (oral) Cat. 4 (H302). Skin sensitization Cat. 1 (H317).

3-Aminomethyl-3,5,5-Trimethylcyclohexylamine

Skin corrosion/Irritation Cat. 1B (H314). Acute toxicity (oral) Cat. 4 (H302). Acute toxicity (dermal) Cat. 4 (H312).
Skin sensitization Cat 1 (H317). Aquatic toxicity (chronic) Cat 3 (H412).

See section 16 Additional information, for full text regarding symbols, Risk (R) phrases and Hazard (H) statements.

4. First Aid measures

- Inhalation** : Move patient to fresh air. If breathing has stopped or is laboured give assisted respiration (e.g. mouth to mouth). If symptoms persist seek medical advice.
Prevent aspiration of vomit, turn victim's head to the side.
- Skin contact** : Remove contaminated clothing and shoes. Remove product from skin and immediately flush affected area with water for at least 15 minutes. Do not apply greases or ointments. Seek medical advice if irritation persists. Launder contaminated clothing before reuse.
- Eye Contact** : Remove any contact lenses and hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Seek medical advice immediately.
- Ingestion** : Get medical attention immediately. Wash out mouth with water - remove dentures, if any.
Move exposed person to fresh air. Keep person warm and at rest.
Do not induce vomiting unless directed to do so by medical personnel.

5. Fire-fighting measures

- Suitable extinguishing media** : In case of a large fire use: Water spray, alcohol foam.
In case of a small fire use: carbon dioxide (CO₂), dry chemical, dry sand or limestone.
- Un-Suitable extinguishing media** : High volume water jet.
- Special exposure hazards** : Burning produces noxious and toxic fumes – carbon and nitrogen oxides, plus some ammonia.
Contact of liquid with the skin must be prevented.
Personnel in vicinity and downwind should be evacuated.
- Special protective equipment** : Wear self-contained breathing apparatus, butyl rubber boots, gloves and protective suit.
- Additional information** : Retain expended liquids from fire fighting for later disposal.
Standard procedure for chemical fires.
Water mist may be used to cool closed containers.

6. Accidental release measures

- Personal precautions** : Use personal protective equipment as detailed in Section 8.
Ensure adequate ventilation.
Keep away from sources of ignition – No smoking.
Do not breath vapours.
- Environmental precautions** : Prevent the product from entering drains.
Avoid subsoil penetration.
Do not contaminate surface water.
- Methods for cleaning up** : Soak up with an inert absorbent material (e.g. sand) and dispose of as hazardous waste.

7. Handling and storage

- Handling** : Provide sufficient air exchange and/or exhaust in workrooms. Avoid formation of aerosol.
Ensure adequate ventilation - avoid breathing of vapours.
Use personal protective equipment as detailed in Section 8.
Handle and open container with care. Do not eat, drink or smoke when handling.
Avoid using in any spray application without strict conformance to all applicable electrical codes.
- Storage** : Keep containers tightly closed and store in a well-ventilated place at 15 – 30°C. Protect from freezing.
Keep away from drink, food, food containers and animal feeding stuffs.
Do not store with strong acids and strong oxidising agents.

8. Exposure controls/personal protection

There are no components with occupational exposure limits established.

Engineering measures to reduce exposure : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment :

Respiratory protection : Not required under normal conditions in a well ventilated workplace.
A respirator will be required for spray applications and in poorly ventilated areas, viz. chemical cartridge respirator with face piece to protect against the organic vapour, NIOSH approved supplied air respirator with full face shield or self-contained breathing apparatus in pressure demand mode.

Eye protection : Full face shield with safety goggles underneath.

Hand protection : Rubber or plastic impermeable gloves (PVC, butyl or neoprene rubber are recommended).

The performance of gloves of a specific type can vary from supplier to supplier. Take note of the information from the glove suppliers concerning permeability and break through times and of any special workplace conditions (e.g. mechanical strain, duration of contact). Check gloves regularly for degradation/holes and replace as necessary.

Skin and body protection : Protective suit and heavy duty work shoes.

Protective measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and immediately after handling the product.
When using do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	: liquid	pH	: ~11
Odour	: Ammoniacal	Relative Density	: ~1.48
Boiling Point	: ~ 100°C	Water solubility	: Soluble
Flashpoint	: >100°C	Explosion limits	: Not explosive.

10. Stability and reactivity

Material is stable when stored and handled under recommended conditions.

- Conditions to avoid** : Take precautionary measures against extremes of temperature. Avoid temperatures above 40 °C. Protect from freezing.
- Materials to avoid** : Strong acids and strong oxidising agents. Reaction with peroxides may result in violent decomposition of peroxide, possibly creating an explosion. Slowly corrodes copper, aluminium and zinc (includes galvanised surfaces).
- Hazardous decomposition products** : Irritating and toxic fumes at elevated temperatures. Burning produces noxious and toxic fumes. Ammonia produced when heated. Nitrogen oxides, carbon monoxide and carbon dioxide (CO₂) in a fire. Hazardous polymerisation will not occur.

11. Toxicological information

- Acute toxicity** : Oral LD₅₀, rat, 1,030 mg/kg (isophorone diamine)
Oral LD₅₀, rat, 500 mg/kg (Polyoxypropylene diamine)
Dermal LD₅₀, rabbit, 800 mg/kg (Polyoxypropylene diamine)
- Eye contact** : Material is corrosive, burns of the eye can cause blindness. Will result in pain and ulceration.
- Skin contact** : Material is corrosive and will cause burns, skin irritation and skin dehydration.
- Sensitisation** : Prolonged and/or repeated contact may cause sensitisation by skin contact, resulting in an allergic eczema reaction every time the person is in contact with the material.

12. Ecological information

- Ecotoxicity** : Isophorone diamine:
LC₅₀ / fish (Brachydanio rerio) / 96 hr = 110 mg/l
EC₅₀ / Daphnia magna / 48 hr = 23 mg/l
- Persistence and degradability** : Not readily biodegradable.
- Additional ecological information** : Avoid subsoil penetration.
Prevent product from entering drains, do not contaminate surface water.

13. Disposal considerations

- Unused Product/waste from cleaning etc.** : Must be disposed in compliance with local regulations. EC Waste Catalogue (EWC) code: 080119*, a hazardous waste.

Unused product can be mixed with Base A and disposed of as non-hazardous waste - in the EU use EC Waste Catalogue (EWC) code: 08 01 20 (the material will be reacted and inert). Remove/invalidate the warning label.
- Contaminated packaging** : Partially filled containers shall be treated as for the product above.

Well drained containers shall be disposed of as hazardous packaging waste, use EWC Code 150110*.

14. Transport information

Proper shipping name: Amines, solid, corrosive n.o.s.

UN No: 3259



ADR/RID

Class : 8 Tunnel Restriction Code : (E)
HI No : 80 Packing Group : III
Transport Cat. : 3 Environmental Hazard : No
Contains : Polyoxypropylene diamine mixture

IMO

Class : 8 Marine Pollutant : No
Packing Group : III Environmental Hazard : No
Contains : Polyoxypropylene diamine mixture

IATA

Keep from freezing.
Class : 8 Packing Group : III
Contains : Polyoxypropylene diamine mixture

15. Regulatory information

EC Directives Dangerous Substances Directive, 67/548/EEC & adaptations.
Dangerous Preparations Directive, 88/379/EEC & adaptations.
Safety Data Sheets Directive, 91/155/EEC.
Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation) No. 1272/2008

UK Statutory Instruments Chemicals (Hazard Information & Packaging for Supply) Regs. (CHIP)
Control of Substances Hazardous to Health Regs. (COSHH)
Environmental Protection (Duty of Care) Regs.

UK Codes of Practice Waste Management. The Duty of Care.
Approved classification and labelling guide (Sixth edition). L131.
The compilation of safety data sheets (Third edition).

UK Guidance Notes Workplace Exposure Limits EH40.
CHIP for Everyone HSG(228).

GHS = Globally Harmonised System (UN system of classification being adopted worldwide).
CLP = Classification, Labelling and Packaging (EU implementation of GHS).

16. Other Information

This safety data sheet has been prepared in accordance with Regulation (EC) no 1907/2006.
Version 3.1, 22nd July 2011, corrected section 2.1 classification detail. No other text changed.
Version 3, 29th June 2011, the text changed in sections 1, 2, 3, 8, 9, 12, 14, 15 and 16 - mainly due to the inclusion of GHS/CLP data and associated change in format.

UK users of our products should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (CoSHH).

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

Training Advice

Applicators need to be trained in:
Handling and hygiene associated with use of industrial chemicals.
Correct mixing and application of the product.
Correct cleaning and disposal methods.

Restrictions on Use

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

Notes

Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis.
Some solvents can be absorbed through the skin.
Beware of cross contamination where different products are in use in the same location.

Classification(s) and Risk (R) phrase(s) referred to in this document:

C : Corrosive.
R21/22 : Harmful in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R34 : Causes burns.
R43 : May cause sensitisation by skin contact.
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLP/GHS Hazard (H) statements referred to in this document:

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.
H412: Harmful to aquatic life with long lasting effects.

Note: From June 2015 all EU labelling and safety data sheets (SDS) will give data in GHS/CLP format only.
Insufficient data currently available to us to provide GHS Labelling detail for this Hardener.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.