

1.0 Identification of the substance / preparation and the company / undertaking

1.1	Product Name Epcon Resin.
1.2	Product Code #ER26.2PRO.
1.3	Supplier ITW Construction Products Fleming Way Crawley West Sussex RH10 9DP England
1.4	Emergency Telephone Number 44 (0) 1293 523372

2.0 Hazards identification

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site.
Possibility of irritation to the eyes and skin.
Possibility of skin sensitisation. The preparation may also irritate the skin and prolonged contact may aggravate this effect.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Preparation classification

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



Contains epoxy constituents. See information supplied by the manufacturer.

3.0 Composition / information on ingredients

Full text of risk phrases appearing in section 3: see section 16.

3.1	Hazardous substances present on their own (Present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state). INDEX / CAS / EC / Name / Symb. / R: / % - / 28064-14-4 / - / REACTION PRODUCT: BISPENOL-F-(EPICHLORHYDRIN) / Xi N / 36/38 43 51/53 / 25 <= x % < 50 603-074-00-8 / 25068-38-6 / 500-033-5 / REACTION PRODUCT: BISPENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <700) / Xi N / 36/38 43 51/53 / 25 <= x % < 50 607-111-00-9 / 15625-89-5 / 239-701-3 / TRIMETHYLOLPROPANE TRIACRYLATE / Xi / 36/38 43 / 2.5 <= x % < 10
3.2	Other substances representing a hazard INDEX / CAS / EC / Name / Symb. / R: / % 603-072-00-7 / 2425-79-8 / 219-371-7 / BUTANEDIOLDIGLYCIDYL ETHER / Xn / 20/21 36/38 43 / 2.5 <= x % < 10
3.3	Substances present at a concentration below the minimum danger threshold No known substance in this category present.
3.4	Other substances with occupational exposure limits INDEX / CAS / EC / Name / Symb. / R: / % - / 14808-60-7 / 238-878-4 / QUARTZ (SiO2) / - / - / 2.5 <= x % < 10

4.0 First aid measures

4.1	General information As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.
4.2	In the event of exposure by inhalation In the event of dust formed by mechanical action (sanding, sawing, etc.), this dust may cause irritation by inhalation and contact with eyes. If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still. If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor. Do not give the patient anything orally.

4.3	In the event of splashes or contact with eyes Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.
4.4	In the event of splashes or contact with skin DO NOT use solvents or thinners.
4.5	In the event of swallowing In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Call a doctor immediately and show him the label.

5.0 Fire fighting measures

5.1	Special protective equipment for fire-fighters Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.
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6.0 Accidental release measures

6.1	Personal precautions Avoid any contact with the skin and eyes. Consult the safety measures listed under headings 7 and 8.
6.2	Environmental precautions Prevent any material from entering drains or waterways. Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13). If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures
6.3	Methods for cleaning up Clean preferably with a detergent, do not use solvents.

7.0 Handling and storage

	The regulations relating to storage premises apply to workshops where the product is handled. Anyone with a history of skin sensitisation must on no account handle such products.
7.1	Fire prevention Prevent access by unauthorised personnel.
7.2	Recommended equipment and procedures For personal safety, see section 8. Observe precautions stated on label and also industrial safety regulations. Avoid contact of product with the skin and eyes.
7.3	Prohibited equipment and procedures Smoking, eating and drinking are prohibited in premises where the preparation is used. Never open the packages under pressure.
7.4	Storage Keep the container tightly closed in a dry place.

8.0 Exposure controls / personal protection

	Use personal protection equipment as per Directive 89/686/EEC. Anyone with a history of skin sensitisation must on no account handle such products.
8.1	Technical measures In the event of dust formed by mechanical action (sanding, sawing, etc.), this dust may cause irritation by inhalation and contact with eyes. Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction. If this ventilation is insufficient to maintain the concentration of particles and dust below the exposure limits, wear breathing apparatus. Avoid inhaling dust.
8.2	Exposure limit values per INRS ED 984 France / VME-ppm: / VME-mg/m3: / VLE-ppm: / VLE-mg/m3: / Notes: / TMP N°: 14808-60-7 / - / 0.1 A / - / - / - / 25
8.3	Exposure limit values (2003-2006) Switzerland / VME-mg/m3: / VME-ppm: / VLE-mg/m3: / VLE-ppm: / Temps: / RSB: 14808-60-7 / 0.15 A mg/m3 / - / - / - / - / - UK/WELs / TWA: / STEL: / Ceiling: / Definition: / Criterion: 14808-60-7 / 0.3 mg/m3 / - / - / - / R

UK/MEL / TWA: / STEL: / Ceiling: / Definition: / Criterion:
14808-60-7 / 0.3 mg/m3 / - / - / - / R

ACGIH/TLV / TWA: / STEL: / Ceiling: / Definition: / Criterion:
14808-60-7 / 0.05 mg/m3 / - / - / - / R

8.4 Hand protection:

Type of gloves recommended :

- Butyl rubber
- Neoprene

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

8.5 Eye and face protection:

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

8.6 Skin protection

For further information, see section 11 of S.D.S. - Toxicological information.

9.0 Physical and chemical properties

9.1 General information:

Physical state Paste

9.2 Important health, safety and environmental information:

pH of the substance or preparation Not relevant
The pH is impossible to measure or its value is not relevant.

Flash point interval Not relevant

Vapour pressure Not relevant

Density > 1

Water solubility Insoluble

10.0 Stability and reactivity

The preparation is stable at the handling and storage conditions recommended per section 7 of the safety data sheet.

11.0 Toxicological information

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal and are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

It is generally agreed that substances contained are likely to cause, among certain predisposed subjects, a sensitisation reaction by cutaneous route.

On the basis of the properties of the epoxide components and toxicological data relating to similar preparations, the preparation may cause sensitisation of the skin and the respiratory organs and may also be an irritant.

Constituents with a low molecular weight irritate the eyes, mucous membranes and the skin.

Repeated contact with the skin may cause irritation and hypersensitisation, possibly in combination with other epoxide compounds.

In the event of dust formed by mechanical action (sanding, sawing, etc.), this dust may cause irritation by inhalation and contact with eyes.

12.0 Ecological information

No ecological data on the product itself is available.
The product must not be allowed to run into drains or waterways.

12.1 Ecotoxicity

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

12.2 Other adverse effects

Germany: WGK 2 (VwVwS vom 17/05/99, KBws).

13.0 Disposal considerations

Do not pour into drains or waterways.

13.1 Waste

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

13.2 Soiled packaging

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14.0 Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

14.1 Classification

Pollutants to the aquatic environment.



UN3077=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(reaction product: bisphenol-a-(epichlorhydrin) epoxy resin (number average molecular weight < 700), reaction product: bisphenol-f-(epichlorhydrin))

14.2 ADR/RID

Class:	9
Code:	M7
Pack gr.:	III
Label:	9
Ident.:	90
LQ:	LQ27
Provis:	247 335
	601
EQ:	E1
Cat.:	3
Tunnel:	E

14.3 IMDG

Class:	9
2° Label:	-
Pack gr.:	III
LQ:	5 kg
EMS:	F-A,S-F
Provis:	179 274
	335 909
EQ:	E1

14.4 IATA

Class:	9	9
2° Label:	-	-
Pack gr.:	III	III
Passager:	911	Y911
Passager:	400 kg	30 kg G
Cargo:	911	-
Cargo:	400 kg	-
Note:	A97 A158	A97 A158
EQ:	-	-

15.0 Regulatory information

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations.
In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.
In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.
In addition Regulation (EC) No 1272/2008 have been taken into account.
This product is not classed as flammable.
Contains epoxide compounds - refer to the information supplied by the manufacturer. This information is found on this safety data sheet.

15.1 Preparation classification



15.2 Contains

219-371-7	REACTION PRODUCT: BISPHENOL-F-(EPICHLORHYDRIN).
500-033-5	BUTANEDIOLDIGLYCIDYL ETHER.
	REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN)
	EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700).



239-701-3 TRIMETHYLOLPROPANE TRIACRYLATE.

15.3 Particular hazards associated with the preparation and safety recommendations

- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43 May cause sensitisation by skin contact.
R 36/38 Irritating to eyes and skin.
Contains epoxy constituents. See information supplied by the manufacturer.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 60 This material and its container must be disposed of as hazardous waste.

15.4 Particular provisions

Germany: WGK 2 (VwVwS vom 17/05/99, KBws).

16.0 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

Full text of risk phrases appearing in section 3:

- R 20/21 Harmful by inhalation and in contact with skin.
R 36/38 Irritating to eyes and skin.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This safety data sheet has been produced according to EC No 1907/2006

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Further advice and assistance can be obtained from the ITW Construction Products Technical Helpline:

UK Freephone: 0800 731 4924
ROI Freephone: 1 800 882 388

