

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

- 1.1 Product Name**
Epcon Hardener.
- 1.2 Product Code**
ED8.2PRO.
- 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 serious corrosive effects.
Possibility of skin sensitisation. The preparation may also irritate the skin and prolonged contact may aggravate this effect.
Possibility of noxious effects with symptoms of slight poisoning by swallowing.

Preparation classification

R43 May cause sensitisation by skin contact.
R22 Harmful if swallowed.
R35 Causes severe burns.



CORROSIVE

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: / %
- / 1477-55-0 / 216-032-5 / M-PHENYLENEBIS(METHYLAMINE) / C / 52/53 43 35 20/22 / 10 <= x % < 25
- 3.2 Other substances representing a hazard**
INDEX / CAS / EC / Name / Symb. / R: / %
603-069-00-0 / 90-72-2 / 202-013-9 / 2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL / Xn / 22 36/38 / 10 <= x % < 25
- / 71074-89-0 / 275-162-0 / BIS[(DIMETHYLAMINO)METHYL]PHENOL / C / 34 / 1 <= x % < 2.5
- 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.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

- 4.4 In the event of splashes or contact with skin**
Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.
Wash the skin thoroughly with soap and water or a recognised cleaner.
DO NOT use solvents or thinners.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

- 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, administer activated medical charcoal and consult a doctor.
Consult a doctor and show him the label.
If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

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.

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**
Neutralise with an acidic decontaminant.
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
Product must not come into contact with the skin and eyes.
Provide safety showers and eye washes in workshops where the product is handled constantly.
- 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.
Keep away from food and drink, including those for animals.

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

1477-55-0 / - / - / - / 0.1 / - / -

8.3 Exposure limit values (2003-2006)

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

Switzerland / VME-mg/m3: / VME-ppm: / VLE-mg/m3: / VLE-ppm: / Temps: / RSB:
14808-60-7 / 0.15 A mg/m3 / - / - / - / - / -
1477-55-0 / 0.1 mg/m3 / - / - / - / - / R

ACGIH/TLV / TWA: / STEL: / Ceiling: / Definition: / Criterion:
14808-60-7 / 0.05 mg/m3 / - / - / - / R
1477-55-0 / - / - / - / 0.1 mg/m3 / - / -

8.4 Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product. Where there is a risk of contact with the hands, suitable gloves must be used.

8.5 Eye and face protection:

Avoid contact with the skin and eyes. Provide personnel with gloves, face masks and safety goggles. Provide eye washes in workshops where the product is constantly handled.

8.6 Skin protection

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use. 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 Slightly basic

When a pH measure is possible, it has a value of Not stated

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 tissue damage in less than three minutes after application to the healthy, unbroken skin of an animal.

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

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.

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

UN1759=CORROSIVE SOLID, N.O.S.
(m-phenylenebis(methylamine), bis(dimethylamino)methyl]phenol)



14.2 ADR/RID

Class:	8
Code:	C10
Pack gr.:	II
Label:	8
Ident.:	80
LQ:	LQ23
Provis:	274
EQ:	E2
Cat.:	2
Tunnel:	E

14.3 IMDG

Class:	8
2° Label:	-
Pack gr.:	II
LQ:	1 kg
EMS:	F-A,S-B
Provis:	274
EQ:	E2

14.4 IATA

Class:	8	8
2° Label:	-	-
Pack gr.:	II	II
Passager:	814	Y814
Passager:	15 kg	5 kg
Cargo:	816	-
Cargo:	50 kg	-
Note:	A3	A3
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.

15.1 Preparation classification



15.2 Contains

216-032-5 M-PHENYLENEBIS(METHYLAMINE).

15.3 Particular hazards associated with the preparation and safety recommendations

R 43	May cause sensitisation by skin contact.
R 22	Harmful if swallowed.
R 35	Causes severe burns.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



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 20/22 Harmful by inhalation and if swallowed.
- R 22 Harmful if swallowed.
- R 34 Causes burns.
- R 35 Causes severe burns.
- R 36/38 Irritating to eyes and skin.
- R 43 May cause sensitisation by skin contact.
- R 52/53 Harmful 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

Revision: 3 (09.06.09) Version: 1 (09.06.09)

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

