

EPOCOTE CR-BASE

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier
Epocote CR-Base

1.2 Relevant uses of the substance or mixture and uses advised against
[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing;

[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC11] Non-industrial spraying;

[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying;

1.3 Details of the supplier of the data sheet

FIS Construction Products
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SO53 4AR

sales@fisproducts.co.uk
www.fisproducts.co.uk

Emergency telephone number
+44 (0) 800 6191619
7.00am-5:00pm Mon-Fri

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.2 Classification - 1999/45/EC Xi; R36/38-43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the Environment

Main hazards Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.3 Classification - EC 1272/2008 Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

2.4 Label elements

Hazard pictograms



Signal Word Warning

Hazard Statement Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statement: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
Prevention P264 - Wash thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: P302+P352 - IF ON SKIN: Wash with plenty of water/.
Response P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention. P391 -
Collect spillage.

Precautionary Statement: P501 - Dispose of contents/container to
Disposal

2.5 Other hazards

Other hazards No data is available on this product.

3. COMPOSITION INFORMATION ON INGREDIENTS

3.1 Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	60 - 70%	Xi; R36/38 R43 N; R51/53	
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	1 - 10%	Xi; R38 R43	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Bisphenol A-(epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5	01-2119456619-26	60 - 70%	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
bisphenol F-epoxy resin		9003-36-5	500-006-8	01-2119454392-40	10 - 20%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
Oxiran, Mono[(C12-14-alkyloxy)methyl]- derivative	603-103-00-4	68609-97-2	271-846-8	01-2119485289-22	1 - 10%	Skin Irrit. 2: H315; Skin Sens. 1: H317;	

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Use extinguishing media appropriate to the surrounding fire conditions. Carbon oxides. Dry chemical. Foam. Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3 Protection of firefighters:

Wear self-contained breathing apparatus and protective clothing. Do not allow runoff water to enter sewers or drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up

Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

See section 8 for further information.

See section 13 for further information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage including and incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

7.3 Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

8. EXPOSURE CONTROL AND PROTECTION MEASURES

8.1 Control parameters

No exposure limit value known. If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods of the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2 Exposure Limit Values

Bisphenol A-(epichlorhydrin)
(reaction product)

WEL 8-hr limit ppm:

WEL 8-hr limit mg/m3: 12.3

WEL 15 min limit ppm:

WEL 15 min limit mg/m3:

**WEL 8-hr limit mg/m3 total
inhalable dust:**

**WEL 15 min limit mg/m3 total
inhalable dust:**

**WEL 8-hr limit mg/m3 total
respirable dust:**

**WEL 15 min limit mg/m3 total
respirable dust:**

8.3 Exposure controls



8.4 Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.5 Individual protection measures

Wear protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection – Hand protection

Butyl rubber gloves. Chemical resistant gloves. Polyvinyl chloride - PVC ().

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Wear suitable respiratory equipment when necessary.

Occupational exposure controls

Keep away from food, drink and animal feedingstuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Slight
Initial boiling point	100 °C
Flash point	130 °C
Relative density	1.13 (H ₂ O = 1 @ 20 °C)
Viscosity	700 mPas (Cone & Plate)
pH	No data available
Melting point	No data available

Freezing Point	No data available
Explosive properties	No data available
Oxidising properties	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Solubility	Slightly soluble in water

9.2 Other information

Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l
Conductivity	No data available
Surface tension	No data available
Gas group	No data available

10. STABILITY AND REACTIVITY

- 10.1** Reactivity:
Stable under normal conditions.
- 10.2** Chemical stability
Stable under normal conditions.
- 10.3** Possibility of hazardous reactions
No data is available on this product.
- 10.4** Conditions to avoid
Heat will increase pressure in sealed containers.
- 10.5** Incompatible materials
Carbon oxides.
- 10.6** Hazardous decomposition products
Will not decompose if stored and used as recommended.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.
Repeated or prolonged exposure	Once sensitised; an allergic reaction may occur when subsequently exposed to very low levels.

11.2 Toxicological Information

Bisphenol A-(epichlorhydrin) (reaction product)	Dermal Rat LD50: >2000mg/kg	Oral Rat LD50: >2000mg/kg
	Inhalation Rat LC50/4 h: >0.15mg/l	

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Bisphenol A-(epichlorhydrin) (reaction product)	Daphnia EC50/48h: 1.7000 mg/l	Algae IC50/72h: 9.4000 mg/l
	Fish LC50/96h: 1.5000 mg/l	

12.2 Persistence and degradability Not readily biodegradable.

12.3 Bioaccumulative potential Low.

Partition coefficient
Epocote CR - Base No data available

12.4 Mobility in soil No data is available on this product.

12.5 Results of PBT and vPvB assessment No data is available on this product.

12.6 Other adverse effects No data is available on this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Dispose of in compliance with all local and national regulations.

General information
08 02 99 wastes not otherwise specified.

Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Disposal of packaging

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

14. TRANSPORT INFORMATION

Hazard pictograms



- 14.1** UN number
UN3082
- 14.2** UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-Epoxy Resin)
- 14.3** Transport hazard class(es)
- | | |
|-----------------|---|
| ADR/RID | 9 |
| Subsidiary risk | - |
| IMDG | 9 |
| Subsidiary risk | - |
| IATA | 9 |
| Subsidiary risk | - |
- 14.4** Packing group
Packing group III
- 14.5** Environmental hazards
Environmental hazards Yes
Marine pollutant Yes

- 14.6** Special precautions for user
Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of a spillage.
- 14.7** Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
For transport approval see regulatory information.

ADR/RID	
Hazard ID	90
Tunnel Category	(E)
IMDG	
EmS Code	F-A S-F
IATA	
Packing Instruction (Cargo)	964
Maximum quantity	450 L

15. REGULATORY INFORMATION

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

Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

- 15.2** Chemical safety assessment
This product contains substances for which Chemical Safety Assessments are still required.

16. OTHER INFORMATION

Other information

Text of risk phrases in Section 3	R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Maximum content of VOC	0 g/l.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

The above information is believed to be correct but not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the product.