

**MATERIAL SAFTY DATA SHEET**  
according to Regulation (EU) 2015/830

## Eponite EP - Base

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

1.1. Product identifier

Product name	Eponite EP - Base
--------------	-------------------

1.2. Relevant identified uses of the substance or mixture and uses advised against

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

1.3. Details of the supplier of the safety data sheet

Company	Premcrete
Address	44 Macadam Way West Portway Ind. Est. Andover Hampshire SP10 3XW
Web	www.premcrete.com
Telephone	+44 (0) 800 6191619
Email address of the competent person	sales@premcrete.com

1.4. Emergency telephone number

Emergency telephone number	+44 (0) 800 6191619 7:00am-5:00pm
----------------------------	--------------------------------------

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. 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.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms	
-------------------	-------------------------------------------------------------------------------------

## Eponite EP - Base

Revision 0

## 2.2. Label elements

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: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. 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: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . 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: Disposal	P501 - Dispose of contents/container to

## 2.3. Other hazards

Other hazards	No data is available on this product.
---------------	---------------------------------------

## SECTION 3: Composition/information on ingredients

## 3.2. 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	30 - 40%	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	30 - 40%	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	1 - 10%	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;	

## SECTION 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.

## Eponite EP - Base

Revision 0

## 4.2. Most important symptoms and effects, both acute and delayed

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).

**SECTION 5: Firefighting 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. Advice for firefighters

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

**SECTION 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.
--	-----------------------------------------------------------------------------------

**SECTION 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 any 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.
--	-------------------------------------------------------------------------------------------------------------------------

**SECTION 8: Exposure controls/personal protection**

## 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
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Eponite EP - Base

Revision 0


## 8.1. Control parameters

	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.
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 8.1.1. 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:

## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	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.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Eponite EP - Base

Revision 0

## 9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Various
Odour	Slight
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	100 °C
Flash point	130 °C
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
Relative density	1.13 (H <sub>2</sub> O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	700 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly soluble in water

## 9.2. Other information

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

**SECTION 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.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

## Eponite EP - Base

Revision 0

## 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.

## 11.1.4. 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	

## SECTION 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

	Eponite EP - 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.
--	---------------------------------------

## SECTION 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
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Eponite EP - Base

Revision 0

## Disposal methods

	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.
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## SECTION 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

## Eponite EP - Base

Revision 0

IATA	
Maximum quantity	450 L
<b>SECTION 15: Regulatory information</b>	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	<p>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.</p> <p>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.</p>
15.2. Chemical safety assessment	
	This product contains substances for which Chemical Safety Assessments are still required.
<b>SECTION 16: Other information</b>	
Other information	
Text of risk phrases in Section 3	<p>R36/38 - Irritating to eyes and skin.</p> <p>R38 - Irritating to skin.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p>
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.