SAFETY DATA SHEET

Epiprime A

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and the UK REACH Regulations SI 2019/758.

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

1.1 Product identifier
Epiprime A

1.2 Relevant identified uses of the substance or mixture and uses advised against
Part A of 2-part epoxy resin system
No uses advised against. Use only as instructed.

1.3 Details of the supplier of the safety data sheet
Vuba Building Products Limited
Units B2, B3 and B4 Grovehill Industrial Estate,
Beverley, HU17 0LF.

Tel: 01482 778897
E mail: sales@vubagroup.com
Web: www.vubaresinproducts.com

1.4 Emergency telephone number

In case of emergency Tel. 01482 778897 (09:00-17:00 Mon-Fri)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture
Classification according to the CLP Regulation (EC) No 1272/2008 and the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain:

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

2.2 Label elements

Warning
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects
P280 - Wear protective gloves, protective clothing, eye protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/national legislation

Contains:
bis-[4-(2,3-epoxipropoxi)phenyl]propane
Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

2.3 Other hazards
Will set hard upon mixing with Part B of the product. Read instructions carefully before use
Contains no components known to be PBT or vPvB or to have endocrine disrupting properties.

SECTION 3: Composition

3.1 Substances
Not applicable, product is a mixture.

3.2 Mixtures

Name	Registration/EC/CAS/Index Nos	Conc. %w/w	Classification
bis-[4-(2,3-epoxipropoxi)phenyl]propane	01-2119456619-26 216-823-5 1675-54-3 603-073-00-2	50-100	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Skin Sens. 1 H317 Aquatic Chronic 2 H411
Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700	01-2119454392-40 500-006-8 9003-36-5	20-50	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	01-2119485289-22 271-846-8 68609-97-2 603-103-00-	10-20	Skin Irrit. 2 H315 Skin Sens. 1 H317

See section 16 for full list of H statements

SECTION 4: First Aid Measures

4.1 Description of first aid measures
EYE CONTACT: Flush thoroughly with water, including under eyelids for several minutes. Obtain medical attention if continued signs of discomfort.
INHALATION: Remove from exposure. If breathing becomes difficult get immediate medical attention.
SKIN CONTACT: Wash off with soap and water. Seek medical attention if irritation or rash occurs.
INGESTION: If swallowed, rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed
May cause eye and skin irritation. May cause an allergic skin reaction or asthmatic reaction in sensitive individuals.

4.3 Indication of any immediate medical attention and special treatments needed
Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media
Suitable extinguishing media: Water spray, foam, powders, carbon dioxide
Unsuitable extinguishing media: Water jet

5.2 Special hazards arising from the substance or mixture

Containers involved in a fire may become pressurised and burst.
Burning releases carbon monoxide, carbon dioxide, halogenated compounds. In the event of fire and/or explosion do not breathe fumes.
Prevent fire-fighting water from entering drains and watercourses.

5.3 Advice for fire fighters
Fire fighters should wear protective clothing and positive pressure self-contained breathing apparatus as appropriate.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Evacuate unnecessary personnel. Ensure adequate ventilation. Do not breathe mists or vapours, use respiratory protection if ventilation is inadequate. Use eye protection (goggles recommended) and gloves suitable for epoxy resins (see section 8).

6.2 Environmental precautions
Prevent entry into sewers and watercourses.

6.3 Methods and materials for containment and clearing up
Absorb liquid onto sand, earth or other suitable absorbent material. Collect into a suitable labelled container for disposal. Wash spill area thoroughly with water and detergent to remove residues. Prevent washings from entering water courses.

6.4 References to other sections
See section 8 and 13 for further advice.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling
Ensure adequate ventilation. Do not breathe vapours or mists. Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities
Store in its original labelled container in a cool, dry, well ventilated area. Not to be stored next to foodstuffs and water supplies. Keep out of reach of children and animals.

7.3 Specific end uses(s)
No special precautions. Use only as directed in accordance with the label.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

No occupational exposure limits identified

DNELS

Substance Name	Worker			
	Long term dermal effects	Long term inhalation effects	Short term dermal effects	Short term inhalation effects
bis-[4-(2,3-epoxipropoxi)phenyl]propane	8.3 mg/kg bw/day Systemic	12.3 mg/m³ Systemic	8.3 mg/kg bw/day Systemic	12.3 mg/m³ Systemic
Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700	104.15 mg/kg bw/day	29.39 mg/m³ Systemic	8.3 µg/cm² Local	

	Systemic			

PNECS

PNEC	bis-[4-(2,3-epoxipropoxi)phenyl]propane	Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700
PNEC aqua (freshwater):	0.003 mg/l	0.003 mg/l
PNEC aqua (marine water):	0.0003 mg/l	0.0003 mg/l
PNEC aqua (intermittent releases):	0.013 mg/l	0.0254 mg/l
PNEC sediment (freshwater):	0.5 mg/kg dwt	0.294 mg/kg dwt
PNEC sediment (marine water):	0.5 mg/kg dwt	0.0294 mg/kg dwt
PNEC soil:	0.05 mg/kg dwt	0.237 mg/kg dwt
PNEC STP:	10 mg/l	10 mg/l

8.2 Exposure controls

Engineering controls: None usually required for handling outside. Indoors, ensure adequate ventilation, especially in confined areas. Ensure good level of basic ventilation with at least 1-3 air exchanges per hour.

Respiratory protection: None usually required unless ventilation rate is not possible to achieve. In case of insufficient ventilation: respirator with a vapour filter (EN 141). recommended Filter Type A3 / P3

Hand Protection: In case of contact, wear gloves suitable for epoxy resin liquids.
Glove manufacturers recommendations should always be consulted.

Eye protection: Tightly fitting goggles recommended.

Skin protection: Coveralls.

Environmental Exposure Controls: Prevent entry into drains and watercourses.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Physical state:	Liquid
b) Colour:	Pale yellow
c) Odour:	No data available
d) Melting point:	No data available
e) Boiling point:	No data available
f) Flammability:	Not applicable, product is a liquid
g) Upper/lower flammability limits:	No data available
h) Flashpoint:	> 150°C
i) Autoignition temperature:	Approx 400°C
j) Decomposition temperature:	No data available
k) pH:	Not applicable
l) Viscosity, dynamic:	0.7 - 1.1 Pa·s at 25 °C
m) Solubility:	No data available.
n) Partition coefficient (log Kow):	No data available
o) Vapour pressure:	No data available
p) Density and/or relative density:	Approx. 1.12 kg/m^3
q) Relative vapour density:	No data available
r) Particle characteristics	Not applicable, product is a liquid

9.2 Other information
None

SECTION 10: Stability and Reactivity

10.1 Reactivity
No reactive hazards known, but will react with curing agents and certain catalysts and set to solid form

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
None.

10.4 Conditions to avoid
Avoid exposure to moisture and high temperatures.

10.5 Incompatible materials
Avoid contact with strong oxidisers, acids and bases.

10.6 Hazardous decomposition products
None under normal conditions of use. On combustion or thermal decomposition: Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Isocyanates, Hydrogen cyanide.

SECTION 11: Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	Based on available data, the classification criteria are not met. bis-[4-(2,3-epoxipropoxi)phenyl]propane LD50 (oral, rat) 11,400 mg/kg LD50 (dermal, rat) > 2000 mg/kg Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700 LD50 (oral, rat) > 2,000 mg/kg LD50 (dermal, rabbit) > 2000 mg/kg oxirane, mono[(C12-14-alkyloxy)methyl] derivs. LD50 (oral, rat) 17,100 mg/kg
(b) skin corrosion/irritation	Based on available data, the mixture is classified as irritating to skin.
(c) serious eye damage/irritation	Based on available data, the mixture is classified as irritating to eyes.
(d) respiratory/skin sensitisation	Based on available data, the mixture is classified as a skin sensitiser bis-[4-(2,3-epoxipropoxi)phenyl]propane Mouse LLNA: sensitising (OECD 429) Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700 Guinea pigs: sensitising (Buehler method)

	oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Guinea pigs: sensitising (Buehler method)
(e) germ cell mutagenicity	Based on available data, the classification criteria are not met.
(f) carcinogenicity	Based on available data, the classification criteria are not met.
(g) reproductive toxicity	Based on available data, the classification criteria are not met.
(h) STOT-single exposure	Based on available data, the classification criteria are not met
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met.
(j) aspiration hazard	Based on available data, the classification criteria are not met.

11.2 Information on other hazards
No additional information.

SECTION 12: Ecological Information

12.1 Toxicity
Not expected to present a hazard to aquatic organisms.

bis-[4-(2,3-epoxipropoxi)phenyl]propane
LC50 (fish, 96h) 1.3 mg/l
EC50 (daphnia, 48 h) 2.1 mg/l
LC50 (algae, 72h) > 11 mg/l -
NOEC (daphnia, 21d) 0.3 mg/l semi-static test

Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700
LC50 (fish, 96h) 2.54 mg/l
EC50 (daphnia, 48 h) 2.55 mg/l
LC50 (algae, 72h) > 1000 mg/l

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
LC50 (rainbow trout, 96h) 1.8 g/l
EC50 (daphnia, 48 h) 7.2 mg/l
LC50 (algae, 72h) 844 mg/l

12.2 Persistence and degradability
Not considered to be readily biodegradable.

12.3 Bioaccumulative potential
Not considered to be bioaccumulative.

12.4 Mobility in soil
Expected to be of low mobility.

12.5 Results of PBT and vPvB assessment
None of the components are known to be PBT or vPvB.

12.6 Endocrine disrupting properties
None of the components are known to have endocrine disrupting properties.

12.7 Other adverse effects
None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods
Recover and recycle unused product if possible. If recovery and recycling are not possible incinerate or dispose of in accordance with local and national regulations.

SECTION 14: Transport Information

Not considered to be dangerous goods for transport.

	ADR	IMDG	ICAO
14.1 UN Number	NONE	NONE	NONE
14.2 UN Proper shipping name	NONE	NONE	NONE
14.3 Transport hazard class(es)	NONE	NONE	NONE
14.4 Packing group	NONE	NONE	NONE
14.5 Environmental hazards	NONE	NONE	NONE
14.6 Special precautions for user	NONE	NONE	NONE
14.7 Maritime transport in bulk according to IMO instruments	Not Applicable	Not Applicable	Not Applicable

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
All components are listed as existing substances in Europe
All components are considered compliant with REACH

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:
This is a new SDS

List of Abbreviations used in this SDS:
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:
Source: European Chemicals Agency, http://echa.europa.eu/

Method used for classification of mixtures:
Ingredient based approaches

H Statements used in Section 3
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects

Training requirements for workers
No special training requirements