

**SAFETY DATA SHEET**  
VUBA EPIPRIME PART B

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Compilation date: 21/10/2014  
Revision date: 23/09/2016  
Revision No: 3

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** VUBA EPIPRIME PART B  
**Product code:** VS.002(B)

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

**Use of substance / mixture:** PC1: Adhesives, sealants. PC9a: Coatings and paints, thinners, paint removers.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Vuba Supplies Limited  
Unit C  
Venture Business Park  
Hull  
HU3 4EL  
United Kingdom  
**Tel:** +44 (0) 1482 778 897  
**Email:** supplies@vuba-group.co.uk

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 1482 778 897  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1: H317

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P285: In case of inadequate ventilation wear respiratory protection.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+350: IF ON SKIN: Gently wash with plenty of soap and water.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P309+311: IF exposed or if you feel unwell: Call a POISON CENTER/doctor.  
P502: Refer to manufacturer/supplier for information on recovery/recycling.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

BENZYL ALCOHOL - REACH registered number(s): 01-2119492630-38-####

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-859-9	100-51-6	-	Acute Tox. 4: H332; Acute Tox. 4: H302	25-50%

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

220-666-8	2855-13-2	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	10-25%
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M-PHENYLENEBIS(METHYLAMINE) - REACH registered number(s): 01-2119480150-50-####

216-032-5	1477-55-0	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Acute Tox. 4: H332; -: EUH071	10-25%
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4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH M-PHENYLENEBIS(METHYLAMINE)

500-302-7	113930-69-1	-	Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411	3-5%
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SALICYLIC ACID - REACH registered number(s): 01-2119486984-17-XXXX

200-712-3	69-72-7	-	Acute Tox. 4: H302; Eye Dam. 1: H318	3-5%
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**Section 4: First aid measures**

**4.1. Description of first aid measures**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

[cont...]

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

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
- Eye contact:** Corneal burns may occur. May cause permanent damage. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent blindness.
- Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
- Delayed / immediate effects:** Immediate effects can be expected after short-term exposure. Delayed effects can be expected after short-term exposure.

#### 4.3. Indication of any immediate medical attention and special treatment needed

- Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. Eye bathing equipment should be available on the premises.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

- Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Carbon dioxide. Dry chemical powder.

#### 5.2. Special hazards arising from the substance or mixture

- Exposure hazards:** Corrosive. In combustion emits toxic fumes.

#### 5.3. Advice for fire-fighters

- Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

#### 6.2. Environmental precautions

- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

#### 6.3. Methods and material for containment and cleaning up

- Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### 6.4. Reference to other sections

- Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

- Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

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

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**Hazardous ingredients:**

**BENZYL ALCOHOL**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	22 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	110 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	8 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose, Acute)	40 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	5.4 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose, Acute)	27 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	4 mg/kg bw/day	General Population	Systemic
DNEL	Dermal (repeated dose, Acute)	20 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	4 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose, Acute)	20 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	1 mg/L	-	-
PNEC	Marine water	0.1 mg/L	-	-
PNEC	Fresh water sediments	5.27 mg/kg sediment	-	-
PNEC	Marine sediments	0.527 mg/kg sediment	-	-

**3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.073 mg/m <sup>3</sup>	Workers	Local
DNEL	Oral (repeated dose)	0.526 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.06 mg/L	-	-
PNEC	Marine water	0.006 mg/L	-	-
PNEC	Fresh water sediments	5.784 mg/kg sediment	-	-
PNEC	Marine sediments	0.578 mg/kg sediment	-	-
PNEC	Soil (agricultural)	1.121 mg/kg soil dw	-	-

**M-PHENYLENEBIS(METHYLAMINE)**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	1.2 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (developmental tox)	0.33 mg/kg bw/day	Workers	Systemic
PNEC	Fresh water	0.094 mg/L	-	-

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PNEC	Marine water	0.0094 mg/L	-	-
PNEC	Fresh water sediments	0.43 mg/kg sediment	-	-
PNEC	Marine sediments	0.045 mg/kg soil dw	-	-

### 4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH M-PHENYLENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3.27 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	0.47 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.58 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (repeated dose)	0.167 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	0.167 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.001 mg/L	-	-
PNEC	Fresh water sediments	0.007 mg/kg sediment	-	-
PNEC	Marine sediments	0.001 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.001 mg/kg soil dw	-	-

### SALICYLIC ACID

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	5 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal (repeated dose)	2.3 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	4 mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (repeated dose)	1 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	1 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.2 mg/L	-	-
PNEC	Marine water	0.02 mg/L	-	-
PNEC	Fresh water sediments	1.42 mg/kg sediment	-	-
PNEC	Marine sediments	0.142 mg/kg sediment	-	-
PNEC	Soil (agricultural)	0.166 mg/kg soil dw	-	-

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Impermeable gloves. Gloves (solvent-resistant). Breakthrough time of the glove material > 2 hours. BS EN 374:2003

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Environmental:** Refer to specific Member State legislation for requirements under Community environmental legislation.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Characteristic odour

**Evaporation rate:** Slow

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Not miscible

[cont...]

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<b>Viscosity:</b> Non-viscous	<b>Melting point/range°C:</b> No data available.
<b>Kinematic viscosity:</b> 200 mPa.s	<b>upper:</b> 13.0
<b>Boiling point/range°C:</b> No data available.	<b>Part.coeff. n-octanol/water:</b> No data available.
<b>Flammability limits %: lower:</b> 1.2 %	<b>Vapour pressure:</b> No data available.
<b>Flash point°C:</b> No data available.	<b>pH:</b> No data available.
<b>Autoflammability°C:</b> 380	
<b>Relative density:</b> 1.060	
<b>VOC g/l:</b> No data available.	

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**BENZYL ALCOHOL**

IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.  
**Eye contact:** Corneal burns may occur. May cause permanent damage. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent blindness.

[cont...]

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**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure. Delayed effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

**M-PHENYLENEBIS(METHYLAMINE)**

Daphnia magna	48H EC50	15.2	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	20.3	mg/l
Orycias Latipes	96H LC50	87.6	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.).

**Recovery operations:** Not applicable.

**Waste code number:** 08 02 99

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2735

### 14.2. UN proper shipping name

**Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S.  
(4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH M-PHENYLENEBIS(METHYLAMINE))

[cont...]

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** II

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Tunnel code:** E

**Transport category:** 2

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH071: Corrosive to the respiratory tract.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does 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 above product.