

SAFETY DATA SHEET

Vista Cascade, Part B

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 EU REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008 as amended as well as relevant UK legislation.

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

- 1.1 Product identifier**
Vista Cascade, Part B
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Part B of 2-part resin
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. (09:00-17:00 Mon-Fri)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Acute Tox. 4 H302 Harmful if swallowed
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

H302 Harmful if swallowed
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

P102 Keep out of reach of children.
 P103 Read label before use.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

SECTION 3: Composition

3.1 Substances

Not applicable – product is a mixture

3.2 Mixtures

Name	EC / CAS /Index Number	Classification	Concentration
Trimethylolpropane polyoxypropylene triamine	500-105-6 39423-51-3	Acute Tox. 4 H302 Acute Tox. 4 H312 Eye Dam. 1 H318 Aquatic Chronic 2 H411	60 - 70%
Benzyl alcohol	202-859-9 100-51-6 603-057-00-5	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	10 - 20 %
Polyoxypropylenediamine	Polymer CAS: 9046-10-0	Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412	5 - 10%
Trimethylhexane-1,6-diamine	247-063-2 25513-64-8	Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 4, H302 Skin Sens. 1A, H317	5 - 10%
3-aminomethyl-3,5,5-trimethylcyclohexylamine	220-666-8 2855-13-2 612-067-00-9	Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Sens. 1A, H317 Aquatic Chronic 3, H412	5 - 10%

See section 16 for details of H Statements

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Wash thoroughly with water and obtain medical attention if continued signs of discomfort.

INHALATION: Remove from exposure. If breathing becomes difficult call a doctor.

SKIN CONTACT: Wash off with soap and water. Seek medical attention if irritation occurs.

INGESTION: If swallowed, rinse mouth with water and obtain medical attention if signs of discomfort.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may cause abdominal discomfort, nausea, vomiting.

The product contains components that can cause an allergic skin reaction in sensitive individuals.

Contact with eyes will cause discomfort over a prolonged period if immediate treatment is not obtained

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Not known to react with any extinguishing material. Use extinguisher appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire fighters

Fire fighters should wear protective clothing and breathing apparatus as appropriate.

Not classified as flammable, but may support combustion in a fire

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

See Section 8 of this SDS.

Use eye protection and gloves suitable for epoxy resin liquids, such as LLPD, Butyl or PVA.

6.2 Environmental precautions

Prevent entry into sewers and watercourses.

6.3 Methods and materials for containment and clearing up

Absorb liquid onto sand, sawdust or other suitable absorbent material and dispose of in a suitable labelled container. 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

Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities

Store in its original labelled container in a cool, 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 exposure limits available for components.

Relevant Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC)

Trimethylolpropane polyoxypropylene triamine

DNEL	Inhalation, chronic systemic, worker	14 mg/m ³
DNEL	Dermal, chronic systemic, worker	1.6 mg/kg bw/day
PNEC	Aquatic	0.0044 mg/l

Benzyl alcohol.

DNEL	Inhalation, chronic systemic, worker	22 mg/m ³
DNEL	Dermal, chronic systemic, worker	8 mg/kg bw/day
PNEC	Aquatic	0.1 mg/l

Polyoxypropylenediamine

DNEL	Inhalation, chronic systemic, worker	1.36 mg/m ³
DNEL	Dermal, chronic systemic, worker	2.5 mg/kg bw/day
PNEC	Aquatic	0.015 mg/l

3-aminomethyl-3,5,5-trimethylcyclohexylamine

DNEL	Inhalation, chronic systemic, worker	0.073 mg/m ³
PNEC	Aquatic	0.06 mg/l

8.2 Exposure controls

Engineering controls: None usually required for handling small quantities under 25 litres. Ensure good level of ventilation with at least 3 - 5 air exchanges per hour. Do not use in confined spaced < 10 m³.

Respiratory protection: None usually required unless ventilation rate is not possible to achieve.

Hand Protection: In case of contact, wear gloves suitable for epoxy resin liquids, such as LLPD, Butyl or PVA.

Eye protection: Tightly fitting goggles needed.

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

Appearance:	Pale coloured liquid
Odour:	Amine
Odour threshold:	Not determined
pH:	Not determined;
Melting point:	Liquid at 0°C
Boiling point:	> 200°C
Flashpoint:	> 100°C
Evaporation rate:	Not determined
Flammability:	May support combustion but not considered flammable
Upper/lower flammability limits:	Not determined
Vapour pressure:	ca 300 Pa at 25°C
Vapour density:	Not determined
Relative density:	Approximately 1.0 g/l
Solubility in water:	Some components highly soluble in water at > 400 g/l. Other components only slightly soluble in water; < 10 mg/l

Solubility in other solvents:	Soluble in polar and non-polar solvents.
Partition coefficient (log Kow):	None of the components considered to be bioaccumulative
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	More viscous than water
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising

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 expected.

10.4 Conditions to avoid

Avoid exposure to high and freezing temperatures.

10.5 Incompatible materials

Avoid contact with strong oxidisers, acids and bases.

10.6 Hazardous decomposition products

None under normal conditions of use.

SECTION 11: Toxicological Information**11.1 Information on toxicological effects**

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	Mixture assessed ATE 1000 - 2000 mg/kg
(b) skin corrosion/irritation	Based on components, mixture considered irritating to skin
(c) serious eye damage/irritation	Based on components, mixture considered irritating to eyes
(d) respiratory/skin sensitisation	Based on components, mixture considered potential skin sensitiser
(e) germ cell mutagenicity	No components considered to be germ cell mutagens
(f) carcinogenicity	No components considered to be potential carcinogens
(g) reproductive toxicity	No components considered to be toxic for reproduction
(h) STOT-single exposure	No hazardous components above thresholds of concern.
(i) STOT-repeated exposure	No hazardous components above thresholds of concern.
(j) aspiration hazard	Does not contain low viscosity hydrocarbons

SECTION 12: Ecological Information**12.1 Toxicity**

A number of the components may be toxic to aquatic organism

Estimated toxicity to fish, 96 hour EC₅₀ = > 10 mg/l

Estimated acute toxicity Daphnia, EC₅₀ = >10 mg/l

Estimated toxicity to algae, 72 hours EC₅₀ = ca 5 mg/l

12.2 Persistence and degradability

Although key components are not considered rapidly biodegradable, no components are persistent in the environment.

12.3 Bioaccumulative potential

None of the components are 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 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 regulations.

SECTION 14: Transport Information

Not classified for transport

14.1	UN Number	2735
14.2	UN Proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S.(Polyoxypropylenediamine)
14.3	Transport hazard class(es)	Class 9
14.4	Packing group	III
14.5	Environmental hazards	Class 9
14.6	Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	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/> November 2020

Method used for classification of mixtures:

Ingredient based approaches

H Statements used in Section 3

H302 Harmful if swallowed
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Training requirements for workers

No special training requirements