

Delta D311 Part B

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

1.1. Product identifier

Product name	D311 Part B
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC1] Adhesives, sealants;
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1.3. Details of the supplier of the safety data sheet

Company	Delta Adhesives Ltd
Address	Unit 39 - 40 Claycliffe Business Park Barugh Green Barnsley, South Yorkshire S75 1JU
Web	www.delta-adhesives.co.uk
Telephone	+44 (0)1226 381571
Fax	+44 (0)1226 381722
Email	customerservice@bondchem.com

1.4. Emergency telephone number


Emergency telephone number	+44(0)1226 381571
Company	Delta adhesives (Head Office) (Diverted out of office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Repr. 2: H361d;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Repr. 2: H361d - Suspected of damaging the unborn child.
Precautionary Statement: Prevention	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

2.2. Label elements

Precautionary Statement: Response	P308+P313 - IF exposed or concerned: Get medical advice/attention.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards	This product does not contain any substances classified as PBT or vPvB.
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SECTION 3: Composition/information on ingredients**3.2. Mixtures****EC 1272/2008**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2,4,6-Tris(dimethylaminomethyl)phenol	603-069-00-0	90-72-2	202-013-9			Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Repr. 2: H361d;
2-Ethylhexanoic acid	607-230-00-6	149-57-5	205-743-6			

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.
Skin contact	Remove the affected person from the source of contamination immediately. Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Move the exposed person to fresh air. Keep the affected person warm and at rest. If swallowed, seek medical advice immediately and show this container or label.

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

Inhalation	No sensitization effects reported.
Eye contact	May cause irritation to eyes. May cause irritation to mucous membranes.
Skin contact	Prolonged or repeated exposure may cause: Redness and irritation.
Ingestion	May cause stomach pain or vomiting.

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

	If you feel unwell, seek medical advice (show the label where possible).
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing. In case of fire and/or explosion do not breathe fumes. Control run off water by containing and keeping it out of sewers and watercourses. Do not use water jet as an extinguisher, as this will spread the fire.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent escape of liquid.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Industrial use resulting in manufacture of another substance (use of intermediates). Industrial uses: Uses of substances as such or in preparations at industrial sites.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash immediately with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Eye / face protection

Approved safety goggles. Face shield. Provide eye wash station.

Skin protection -**Handprotection**

Chemical resistant gloves (PVC).

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Melting point	Not applicable.
Freezing Point	No data available
Initial boiling point	> 200 °C
Flash point	100 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	= 1.09 (H ₂ O = 1 @ 20 °C)
Water solubility	Not determined
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	> 9000 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Not required

9.2. Other information

Conductivity	No data available
Surface tension	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid sparks, flames, heat and sources of ignition.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Oxidising agents.
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10.4. Conditions to avoid

	Heat, sparks and open flames. Do NOT allow to freeze. Keep away from strong acids, alkalis and organic peroxides/hydroperoxides.
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10.5. Incompatible materials

	Alkalis. Strong acids. Strong oxidising agents.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	May cause allergic reactions in susceptible people.
Respiratory or skin sensitisation	No sensitization effects reported.

11.1.4. Toxicological Information

11.1.4. Toxicological Information

2,4,6-Tris(dimethylaminomethyl) phenol	Oral Rat LD50: 1670mg/kg	Dermal Rabbit LD50: 1242mg/kg
Mercaptan Terminated Polymer	Dermal Rat LD50: 2600mg/kg Dermal Rabbit LD50: 10300mg/kg	Oral Rat LD50: 2600mg/kg

SECTION 12: Ecological information

12.1. Toxicity

2,4,6-Tris(dimethylaminomethyl) phenol	Daphnia EC50/48h: 750 mg/l	Fish LC50/96h: 718.0000 mg/l
Mercaptan Terminated Polymer	Daphnia EC50/48h: 100.0000 mg/l	

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

The product is potentially degradable.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

D311 Part B No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

May cause long-term adverse effects in the environment.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Dispose of this material and its container to hazardous or special waste collection point.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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. 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.

15.2. Chemical safety assessment

Chemical Safety Report. No data is available on this product.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:.

- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Hazard pictograms.
- 2 - Signal Word.
- 2 - Precautionary Statement: Prevention.
- 2 - Precautionary Statement: Response.
- 2 - Precautionary Statement: Storage.
- 2 - Precautionary Statement: Disposal.
- 13 - Disposal methods.
- 13 - Disposal of packaging.
- 15 - 15.2. Chemical safety assessment.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Repr. 2: H361d - Suspected of damaging the unborn child.

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.