

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

1.1 Product identifier

Trade name: D77WL Anaerobic

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

General use: Anaerobic adhesive.
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company name: Delta Adhesives Limited
Place: Units 39-40 Claycliffe Business Park, Barnsley, S75 1JU United Kingdom
Telephone: +44 (0)1226 381571
Internet: www.delta-adhesives.co.uk
Responsible Department: sales@delta-adhesives.co.uk

1.4 Emergency telephone number

+44 (0)1226 381571 (Mo-Fr, 08:00-16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

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

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures Additional information:

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Classification
1-Hydroxyethylidene-1,1-diphosphonic acid		2809-21-4			Met. Corr. 1: H290; Eye Dam. 1: H318;
Cumene Hydro-Peroxide	617-002-00-8	80-15-9	201-254-7		Skin Corr. 1B: H314;
Cumene	601-024-00-X	98-82-8	202-704-5		Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411;
Silicone Dioxide		7631-86-9	231-545-4	17-2119421532-51	
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane		78-63-7			Self-react. CD: H242; Skin Irrit. 2: H315;
1-Acetyl-2-Phenylhydrazine		114-83-0			Acute Tox. 3: H301; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335;

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation:	Move the exposed person to fresh air. Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if irritation or symptoms persist.
Following skin contact:	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
After eye contact:	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
After swallowing:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Keep the affected person warm and at rest. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical.

5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear protective equipment. Self-contained breathing apparatus. Cool fire exposed containers with waterspray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working 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

Wear suitable protective clothing, gloves and eye/face protection. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Wash hands after handling the product.

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

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

Avoid contact with eyes and skin. Wear suitable protective clothing and gloves. Wear eye/face protection. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.

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. Keep away from food, drink and animal feedingstuffs. Keep away from heat.

7.3 Specific end use(s)

Refer to section 1.2.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters**

Contains no substance with occupational exposure limit values

8.1.1. Exposure Limit Values

Silicone Dioxide

WEL 8-hr limit ppm:	
WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
WEL 8-hr limit mg/m3 total 6	WEL 15 min limit mg/m3 total
inhalable dust:	inhalable dust:
WEL 8-hr limit mg/m3 total 2.4	WEL 15 min limit mg/m3 total
respirable dust:	respirable dust:

8.2 Exposure Controls

Wear chemical protective clothing.

Approved safety goggles. In case of splashing, wear: Face shield.

Wear suitable gloves. Chemical resistant gloves (PVC). Polyvinyl chloride - PVC (Thickness 0.2mm for periods of 1 - 4 hours.Consult with glove manufacturer for breakthrough times.).

In case of insufficient ventilation, wear suitable respiratory equipment. For short periods of work a combination of charcoal filter and particulate filter is suitable. Suitable half mask respirator with filter P2 (EN 143).

Wash hands at the end of each shift and before eating, smoking and using the toilet. Wash skin promptly if skin becomes contaminated. Promptly remove any clothing that has become contaminated.

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

Appearance	Liquid
Colour	Blue
Odour	Mild
Melting point	Not determined
Initial boiling point	No data available
Flash point	No data available
Flammability (solid, gas)	Not relevant
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient (n-octanol/water)	No data available
Partition coefficient	Not determined
Autoignition temperature	Not determined
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

Avoid contact with: Copper and its alloys. Peroxides. Strong acids.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

If product is contaminated and becomes unstable the product may polymerize and produce an exothermic reaction.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames. Protect from direct sunlight. Keep only in the original container at a temperature not exceeding 15 °C.

10.5 Incompatible materials

Strong oxidizing agents. Acids. Copper and its alloys.

10.6 Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes. Stable under normal conditions.

D77WL Anaerobic**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute toxicity: May cause irritation to skin and eyes. MAY CAUSE ALLERGIC SKIN REACTION.

Skin corrosion/irritation: May cause irritation to skin.

Serious eye damage/irritation: Irritating to eyes.

Respiratory or skin: May cause sensitisation by skin contact.
sensitisation

Germ cell mutagenicity: No mutagenic effects reported.

11.1.2. Toxicological Information

1-Acetyl-2-Phenylhydrazine	Oral Mouse LD50: 270mg/kg	
Cumene Hydro-Peroxide	Inhalation Rat LC50/4 h: 220ppm	Oral Rat LD50: 382mg/kg
Silicone Dioxide	Oral Rat LD50: >5000mg/kg	Dermal Rabbit LD50: >2000mg/kg
	Inhalation Rat LC50/4 h: >0.139mg/L	

SECTION 12: Ecological information**12.1 Toxicity**

Butylated Hydroxytoluene	NOEC / EC10 for marine or freshwater organisms: -0.3160 mg/l	
Cumene Hydro-Peroxide	Fish LC50/96h: 3.9000 mg/l	
Silicone Dioxide	Daphnia EC50/48h: 10000.0000 mg/l	Fish LC50/96h: 10000.0000 mg/l
	Daphnia LC50/24h: >10000mg/l	Fathead minnows LC50/96h: >10000mg/l

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility in soil

Immiscible in water.

12.5 Results of PBT and vPvB assessment

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

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Wear protective gloves/protective clothing/eye protection/face protection. Dispose of in compliance with all local and national regulations.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Dispose of this material and its container to hazardous or special waste collection point.

Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information**14.1 Transport Hazards**

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****National regulations - Great Britain**

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. REGULATION (EC) No 1272/2008 of 16th December 2008 on Classification, Labelling and Packaging of substances and mixtures. COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical Safety Assessment

No Chemical safety assessment has been conducted on this product.

SECTION 16: Other information**Further information**

Acronyms - BCF: Bioconcentration factor. Biochemical oxygen demand. COD: Chemical oxygen demand. DMEL: Derived minimal effect level. DNEL: Derived no-effect level. PNEC: Predicted no-effect concentration. European Chemical Agency.(ECHA).

Met. Corr. 1: H290 - May be corrosive to metals.
Eye Dam. 1: H318 - Causes serious eye damage.
Org. Perox. EF: H242 - Heating may cause a fire.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Acute Tox. 3: H331 - Toxic if inhaled.
STOT SE 3: H335 - May cause respiratory irritation.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Self-react. CD: H242 - Heating may cause a fire.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

