

Copper Anti-Seize D501, D502, D503 According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	Copper Anti-Seize D501, D502, D503	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Anti-seize compound.	
Uses advised against	No specific uses advised against are identified.	
1.3. Details of the supplier of the safety data sheet		
Supplier	Delta Adhesives Ltd 39 - 40 Claycliffe Business Park, Barugh Green Barnsley, South Yorkshire S75 1JU UK 01226 381571 01226 381722 info@delta-adhesives.co.uk	
1.4. Emergency telephone nu	mber	
Emergency telephone	01226 381571	
SECTION 2: Hazards identific	ation	
2.1. Classification of the subst		
Classification (EC 1272/2008) Physical hazards	Not Classified	
Health hazards	Not Classified	
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	
2.2. Label elements		
Hazard pictograms		
Signal word	Warning	
Hazard statements	H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.	
Precautionary statements	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.	



## 2.3. Other hazards

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

3.2. Mixtures		
Distillates (petroleum), hydrotreate DMSO	ed heavy paraffinic <3%	60-1009
CAS number: 64742-54-7	EC number: 265-157-1	REACH registration number: 01- 2119484327-25-XXXX
Classification Not Classified		
Talc (Mg3H2(SiO3)4)		10-309
CAS number: 14807-96-6	EC number: 238-877-9	
This product is exempted from pre	e-registration and registration in accorda	nce with Annex V.7
Classification Not Classified		
Copper		5-109
CAS number: 7440-50-8	EC number: 231-159-6	REACH registration number: 01- 2119480154-42-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H331 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Graphite		<19
CAS number: 7782-42-5	EC number: 231-955-3	REACH registration number: 01- 2119486977-12-XXXX
Classification Not Classified		
he Full Text for all R-Phrases and	Hazard Statements are Displayed in Se	ection 16.
SECTION 4: First aid measures		
.1. Description of first aid measure	<u>əs</u>	
	n doubt, get medical attention promptly.	Show this Safety Data Sheet to the medical

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.



Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.		
Skin contact	Rinse with water.		
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.		
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.		
4.2. Most important symptoms	4.2. Most important symptoms and effects, both acute and delayed		
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.		
Inhalation	No specific symptoms known.		
Ingestion	No specific symptoms known.		
Skin contact	Prolonged contact may cause dryness of the skin.		
Eye contact	No specific symptoms known. May be slightly irritating to eyes.		
4.3. Indication of any immediate	e medical attention and special treatment needed		
Notes for the doctor	Treat symptomatically.		
SECTION 5: Firefighting measured	ures		
5.1. Extinguishing media			
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
5.2. Special hazards arising fro	m the substance or mixture		
Specific hazards	None known.		
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.		
5.3. Advice for firefighters			
Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.		
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.		
SECTION 6: Accidental release measures			

# 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be	
	taken without appropriate training or involving any personal risk. Do not touch or walk into	
	spilled material.	

# 6.2. Environmental precautions



**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

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

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

#### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.	
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage precautions	Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.	
Storage class	Miscellaneous hazardous material storage.	
7.3. Specific end use(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	

## SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

#### Occupational exposure limits

#### Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> inhalable dust Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> mist

#### Talc (Mg3H2(SiO3)4)

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup> respirable dust

#### Copper

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup> - - respirable dust Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup> - - respirable dust

#### Graphite

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> respirable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust WEL = Workplace Exposure Limit



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Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO (CAS: 64742-54-7)		
DNEL	Workers - Inhalation; Long term local effects: 5.4 mg/m <sup>3</sup>	
	Copper (CAS: 7440-50-8)	
DNEL	Workers - Dermal; Short term systemic effects: 273 mg/kg Workers - Inhalation; Short term systemic effects: 20 mg/m³ Workers - Dermal; Long term systemic effects: 137 mg/kg	
PNEC	- Soil; 65.5 mg/kg - Sediment (Freshwater); 87 mg/kg - Fresh water; 0.0078 mg/l - marine water; 0.0052 mg/l - Sediment (Marinewater); 676 mg/kg - STP; 0.230 mg/l	
	propylene carbonate (CAS: 108-32-7)	
DNEL	Industry - Inhalation; Long term systemic effects: 50 mg/kg/day Industry - Inhalation; Long term local effects: 20 mg/m³ Industry - Dermal; Long term systemic effects: 50 mg/kg/day	
PNEC	- Fresh water; 0.9 mg/l - marine water; 0.09 mg/l - STP; 7.4E3 mg/l - Soil; 0.81 mg/kg	
	Graphite (CAS: 7782-42-5)	
DNEL	Workers - Inhalation; Long term local effects: 1.2 mg/m <sup>3</sup>	
8.2. Exposure controls		
Protective equipment		
Appropriate engineering controls	Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.	
Eye/face protection	Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.	
Hand protection	No specific hand protection recommended. Avoid contact with skin.	
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.	
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.	
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.	



Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties		
Appearance	Coloured paste.	
Colour	Yellow. to Gold.	
Odour	Characteristic.	
Flash point	> 200°C Cleveland open cup.	
Relative density	> 1 @ 20°C	
Solubility(ies)	Insoluble in water.	
9.2. Other information		
SECTION 10: Stability and rea	activity	
10.1. Reactivity		
Reactivity	See the other subsections of this section for further details.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the	
	prescribed storage conditions.	
10.3. Possibility of hazardous	reactions	
Possibility of hazardous reactions	No potentially hazardous reactions known.	
10.4. Conditions to avoid		
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.	
10.5. Incompatible materials		
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.	
10.6. Hazardous decomposition	on products	
Hazardous decomposition	Does not decompose when used and stored as recommended. Thermal decomposition or	
products	combustion products may include the following substances: Harmful gases or vapours.	
SECTION 11: Toxicological information		
11.1. Information on toxicolog	ical effects	
Acute toxicity - oral		
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.	
ATE oral (mg/kg)	8,333.33	
Acute toxicity - dermal		
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - inhalation		
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.	



ATE inhalation (dusts/mists mg/l)	8.33
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard Aspiration hazard	Not relevant. Solid.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
SECTION 12: Ecological inform	nation
12.1. Toxicity	

12.1. Toxicity

Toxicity

Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

## 12.2. Persistence and degradability



Persistence and degradability The degradability of the product is not known.

Persistence and degradability	The degradability of the product is not known.
12.3. Bioaccumulative potentia	<u>al</u>
Bioaccumulative potential	No data available on bioaccumulation.
12.4. Mobility in soil	
Mobility	No data available.
12.5. Results of PBT and vPvE	3 assessment
12.6. Other adverse effects	
Other adverse effects	None known.
SECTION 13: Disposal consid	erations
13.1. Waste treatment method	
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.
SECTION 14: Transport inform	nation
General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
14.1. UN number	
UN No. (ADR/RID)	3077
UN No. (IMDG)	3077
UN No. (IMDG) UN No. (ICAO)	
	3077
UN No. (ICAO)	3077 3077 3077
UN No. (ICAO) UN No. (ADN)	3077 3077 3077
UN No. (ICAO) UN No. (ADN) 14.2. UN proper shipping name Proper shipping name (ADR/RID)	3077 3077 3077 <b>e</b>
UN No. (ICAO) UN No. (ADN) 14.2. UN proper shipping name Proper shipping name (ADR/RID)	3077 3077 3077 <b>e</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper)
UN No. (ICAO) UN No. (ADN) <u>14.2. UN proper shipping name</u> (ADR/RID) Proper shipping name (IMDG)	3077 3077 3077 <b>e</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper)
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UN No. (ICAO) UN No. (ADN) <u>14.2. UN proper shipping name</u> (ADR/RID) Proper shipping name (IMDG) Proper shipping name (ICAO) Proper shipping name (ADN) <u>14.3. Transport hazard class(e</u>	3077 3077 3077 e ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper)
UN No. (ICAO) UN No. (ADN) <u>14.2. UN proper shipping name</u> (ADR/RID) Proper shipping name (IMDG) Proper shipping name (ICAO) Proper shipping name (ADN) <u>14.3. Transport hazard class(e</u> ADR/RID class	3077 3077 3077 <b>e</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) <b>50</b> 9
UN No. (ICAO) UN No. (ADN) <u>14.2. UN proper shipping name</u> (ADR/RID) Proper shipping name (IMDG) Proper shipping name (ICAO) Proper shipping name (ADN) <u>14.3. Transport hazard class(e</u> ADR/RID class ADR/RID classification code	3077 3077 3077 <b>e</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Copper) <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>30</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b> <b>40</b>



ICAO class/division
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ADN class

9

9

Transport labels



ADR/RID packing group	III
IMDG packing group	111
ICAO packing group	III
ADN packing group	III

# 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



## 14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

F-A, S-F
3
2Z
90
(-)

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

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

# SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	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) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## Inventories

### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

SECTION 16: Other information		
Abbreviations and acronyms used in the safety data sheet	<ul> <li>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</li> <li>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</li> <li>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</li> <li>IATA: International Air Transport Association.</li> <li>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</li> <li>IMDG: International Maritime Dangerous Goods.</li> <li>CAS: Chemical Abstracts Service.</li> <li>ATE: Acute Toxicity Estimate.</li> <li>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</li> <li>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</li> <li>EC<sub>50</sub>: 50% of maximal Effective Concentration.</li> <li>PBT: Persistent, Bioaccumulative and Toxic substance.</li> <li>vPvB: Very Persistent and Very Bioaccumulative.</li> </ul>	
Classification abbreviations and acronyms	Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)	
Classification procedures according to Regulation (EC) 1272/2008	Aquatic Acute 1 - H400: Aquatic Chronic 2 - H411: : Calculation method.	
Training advice	Only trained personnel should use this material.	
Revision date	31/01/2019	
Revision	1	
SDS number	5524	
Hazard statements in full	<ul> <li>H302 Harmful if swallowed.</li> <li>H319 Causes serious eye irritation.</li> <li>H331 Toxic if inhaled.</li> <li>H400 Very toxic to aquatic life.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>	

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



Delta Adhesives Limited, Units 39-40 Claycliffe Business Park, Cannon Way, Barugh Green, Barnsley, South Yorkshire, S75 1JU, Tel: +44 (0) 1226 381 571 email: sales@delta-adhesives.co.uk