

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Compotool BoxPreg

Revision

Date 2015-05-11

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

1.1. Product identifier

Product name	Compotool BoxPreg
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	Carbon fibre prepreg with Benzoxazine resin system, industrial uses for thermoset parts and tooling. Uses of substances as such or in preparations at industrial sites. Industrial use of products, becoming part of articles.
Description	High temperature Benzoxazine tooling prepeg.

1.3. Details of the supplier of the safety data sheet

Company	Compotool Ltd
Address	39 Vesty Drive Mt Wellington Auckland 1060 New Zealand
Web	www.compotool.com
Telephone	+64 9 573 1970
Fax	+64 9 573 1973
Email	info@compotool.com

1.4. Emergency telephone number


Emergency telephone number	+44 (0) 7813764760
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC Main hazards	Xi ; R37/38 Xi: Irritating. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin sens. 1: H317;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	
Precautionary Statement: Prevention	May cause allergic skin reaction. Harmful to aquatic life with long lasting effects.

Avoid breathing dust/fumes/gas/mist/vapours/spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection.
 IF ON SKIN: Wash with plenty of water/soap.
 If skin irritation or rash occurs: Get medical advise/attention.

2.2. Label elements

Precautionary Statement: Storage Precautionary Statement: Disposal	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P210 - Keep away from heat sources, sparks and open flames.
	P501 - Dispose of contents/container to local legislation.

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Oxabicyclo[4.1.0] Hept-3-ylmethyl		2386-87-0			<15%	Xi; R38	
Oxabicyclo[4.1.0] Heptane-3-Carboxylate Thermoset resin					<10%	Xi; R37	
Phenol		108-95-2			<0.5%	Xi; R37/38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Oxabicyclo[4.1.0] Hept-3-ylmethyl					<15%	Sensitization - skin-Cat 1.	
Oxabicyclo[4.1.0] Heptane-3-Carboxylate Thermoset resin					<10%	Skin Irrit - Cat 2. Sens - skin Cat1. Aquatic toxicity - chronic - Category 2.	
Phenol					<0.5%	Acute Toxicity - oral - Cat 3. Acute Tox - derm - Cat 3. Acute Tox - inhalative - Cat 3. Skin Corr - Cat 1B. Germ cell mutagenicity - Cat 2. Specific Target Organ Toxicity (Repeated Exposure) - Cat 2.	

Further information

Note: Any entry in the EC# column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Eye contact Skin contact Ingestion	Move the exposed person to fresh air.
	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation Eye contact Skin contact Ingestion	Vapours may cause drowsiness and dizziness.
	May cause irritation to eyes.
	Irritating to skin.
	Harmful: may cause lung damage if swallowed.

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

Inhalation Eye contact Skin contact Ingestion	If medical advice is needed, have product container or label at hand.
	Seek medical attention if irritation or symptoms persist.
	Seek medical attention if irritation or symptoms persist.
	Immediate medical attention is required.

General information

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Emits toxic fumes under fire conditions. In case of fire may be liberated: Nitrogen oxides (NO _x), carbon monoxide and carbon dioxide.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective gloves/protective clothing/eye protection/face protection. Highly flammable liquid and vapour. Vapour may travel considerable distance to source of ignition and flash back.
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Further information

	See section 8 for further information.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes. Wear protective equipment. Provide fresh air. In case of development of vapors or dust: Do not inhale vapors or dust particles. Keep unprotected people away.
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6.2. Environmental precautions

	Do not allow to penetrate into soil, waterbodies or drains. If necessary notify appropriate authorities.
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6.3. Methods and material for containment and cleaning up

	Avoid generation of dust. Take up mechanically, placing in appropriate containers for disposal. Final cleaning.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Avoid generation of dust. Wear suitable protective clothing and gloves. When using do not eat, drink or smoke. Wash hands before breaks and after work. In case of development of vapours or dust: Do not inhale vapours or dust particles. The use of local exhaust ventilation is recommended.
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7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging	Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Keep away from heat sources, sparks and open flames. Protect from: UV-radiation/sunlight
	Store in original container.

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Phenol	60 mg/m ³ ; 15.6 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.) 19 mg/m ³ ; 5 ppm (May be absorbed through the skin.)
Phenol	250 mg/g creatinine

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.2. Individual protection Measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear chemical protective clothing. Suitable foot protection e.g. boots.
Eye / face protection	safety glasses with side-shields.
Skin protection – Handprotection	Chemical resistant gloves (PVC).
Skin protection – Other	After contact with skin, wash immediately with plenty of soap and water.
Respiratory protection	Wear suitable respiratory equipment when necessary. Suitable half mask respirator with filter P3 (EN 141A1/A2).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	black (with yellowish resin)
Odour	Weak
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	almost insoluble

9.2. Other information

Specific gravity	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	See section below for further information.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Hazardous polymerisation: may occur.
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10.4. Conditions to avoid

	Excessive heating. Avoid generation of dust. Protect from UV-radiation/sunlight.
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10.5. Incompatible materials

	No data available.
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10.6. Hazardous decomposition products

	Emits toxic fumes under fire conditions. In case of fire may be liberated: Nitrogen oxides (NO _x), carbon monoxide and carbon dioxide.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Lack of data.
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Serious eye damage/irritation	Lack of data.
Respiratory or skin sensitisation	Lack of data.
Germ cell mutagenicity	Lack of data.
Carcinogenicity	Lack of data.

11.1. Information on toxicological effects

Reproductive toxicity	Lack of data.
STOT-single exposure	Lack of data.
STOT-repeated exposure	Lack of data.
Aspiration hazard	Lack of data..

11.1.4. Toxicological Information

Thermoset Resin	Dermal Rat LC50: >2000mg/kg	Oral Rat LD50: >5000mg/kg
Phenol	Inhalation Rat LC50/4 h: >900mg/m3/8h	Oral Rat LD50: >340mg/kg
	Dermal Rat LD50: >660mg/kg	

11.1.7. Information on likely routes of exposure

	Inhalation. Dermal.
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Further information

	In case of inhalation: Inhaling hazardous decomposing products can cause serious health damage. After contact with skin: The melted product can cause severe burns.
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SECTION 12: Ecological information

12.1. Toxicity

T h e r m o s e t r e s i n	D	Algae IC50/72h: 2.8 – 5.3 mg/l
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7 - o x a b i c y c l o [4 .1 .0] h e p t - 3 - y l m e t h y l 7 - o x a b i c y l o [4 .1 .0] h e p t a n e s - 3 - c a r b o	D a p h n i a E C 5 0 / 4 8 h : 4 0 m g / l F i s h L C 5 0 / 9 6 h : 2 4 m g / l	Algae IC50/72h: 90 mg/l

x y l a t e .	
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Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Not determined.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

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 is not, or does not contain a substance that is a PBT or a vPvB.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

**Disposal methods
Disposal methods**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Disposal of packaging

This material and its container must be disposed of as hazardous waste.

Further information

Do NOT reuse empty containers.

SECTION 14: Transport information

Hazard pictograms

	Not restricted
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14.1. UN number

	Not restricted
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14.2. UN proper shipping name

	Not restricted
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14.3. Transport hazard class(es)

ADR/RID	Not restricted -
Subsidiary risk	
IMDG	Not restricted -
Subsidiary risk	
IATA	Not restricted
Subsidiary risk	-

14.4. Packing group

Packing group	Not restricted
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14.5. Environmental hazards

Environmental hazards	Not restricted
Marine pollutant	Not restricted

14.6. Special precautions for user

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

	Not applicable.
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ADR/RID

Hazard ID	Not restricted
Tunnel Category	Not restricted

IMDG

EmS Code	Not restricted
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IATA

Packing Instruction (Cargo)	Not restricted
Maximum quantity	Not restricted
Packing Instruction (Passenger)	Not restricted
Maximum quantity	Not restricted

SECTION 15: Regulatory information

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

Regulations	<p>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.</p>
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15.2. Chemical safety assessment

	A Chemical Safety Assessment has been carried out for the substance(s) that makes/make up this material.
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Further information

	The substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation.
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SECTION 16: Other information**Other information**

Revision	
Text of risk phrases in Section 3	R37 – Irritating to the respiratory system. R38 - Irritating to skin.
Text of Hazard Statements in Section 3	Skin sens. 1: H317 - May cause an allergic skin reaction. Skin Irrit. 2: H315 - Causes skin irritation.
Maximum content of VOC	N/A

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.
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