

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Compotool CTS202 Stage 2

Revision 1

Revision date 2015-05-26

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

1.1. Product identifier

Product name	Compotool CTS202 Stage 2
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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; [PROC10] Roller application or brushing; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles;
Description	Industrial Mould & Tooling Board Sealer.

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	F; R11 Xn; R65 Xi; R38 N; R51/53 R67 Symbols: F: Highly flammable. Xn: Harmful. N: Dangerous for the environment.
Main hazards	Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;

2.2. Label elements

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Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p>

2.2. Label elements

Precautionary Statement: Prevention	<p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P243 - Take precautionary measures against static discharge.</p> <p>P260 - Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P273 - Avoid release to the environment.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to hazardous waste

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.
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	606-005-00-X	108-83-8	203-620-1	01-2119474441-41	1 - 10%	R10 Xi; R37	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	60 - 70%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67	
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics			923-037-2	01-2119471991-29	1 - 10%	Xn; R65 R10-53-66	
Methanol	603-001-00-X	67-56-1	200-659-6	01-2119433307-44	0 - 0.5%	F; R11 T; R23/24/25-39/23/24/25	

EC 1272/2008

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Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	606-005-00-X	108-83-8	203-620-1	01-2119474441-41	1 - 10%	Flam. Liq. 3: H226; STOT SE 3: H335;	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	60 70%	- Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;	
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics			923-037-2	01-2119471991-29	1 - 10%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; Aquatic Chronic 2: H411;	
Methanol	603-001-00-X	67-56-1	200-659-6	01-2119433307-44	0 - 0.5%	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370;	

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

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

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

Skin contact	Irritating to skin.
Ingestion	Harmful: may cause lung damage if swallowed.

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

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

General information

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	After absorbing large amounts of substance: Liberation of reaction products (Methanol) can lead to symptoms of poisoning. Possible signs of poisoning: daze, dizziness, nausea, colicky abdominal pain, respiratory disturbance.
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Further information

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

	Burning produces irritating, toxic and obnoxious fumes. Risk of explosion by shock, friction, fire or other sources of ignition.
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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

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Evacuate personnel to a safe area. Wear suitable protective clothing.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Use explosion proof equipment. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not allow runoff water to enter sewers or drains.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
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7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Avoid contact with: Moisture.
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	Store in original container.
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7.3. Specific end use(s)

	Industrial Mould & Tooling Board Sealer.
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Further information

	When in use the product will liberate Methanol.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: 148
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	WEL 8-hr limit ppm: 196	WEL 8-hr limit mg/m3: 1200
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C7-C9, isoalkanes	WEL 8-hr limit ppm: 241	WEL 8-hr limit mg/m3: 1200
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250	WEL 8-hr limit mg/m3: 266 WEL 15 min limit mg/m3: 333


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

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	Wash hands after handling the product.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P3 (EN 141A1/A2).
8.2.3. Environmental exposure controls	Do not empty into drains; dispose of this material and its container in a safe way.

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8.2. Exposure controls

Occupational exposure controls	Do not breathe dust or vapour. Wash all contaminated clothing before reuse. Wash hands after handling the product.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Colourless
Odour	Characteristic
Flammability (solid, gas)	No data available
Upper Explosive Limit	6.3 %
Lower Explosive Limit	0.7 %
Vapour pressure	> 10 mmHg
Vapour density	> 1 at 101kPa
Partition coefficient	No data available
Autoignition temperature	> 200 °C
Viscosity	No data available
Explosive properties	None
Oxidising properties	None
Odour threshold	No data available
pH	No data available
Initial boiling point	90 - 150 °C
Flash point	< 10 °C
Evaporation rate	1.6
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.793 g/cm ³
VOC (Volatile organic compounds)	673 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	See section below for further information.
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10.2. Chemical stability

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	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Will not polymerize.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition.
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10.5. Incompatible materials

	Strong oxidising agents. Avoid contact with: Moisture.
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10.6. Hazardous decomposition products

	Methanol in case of hydrolysis.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation	Prolonged or repeated exposure may cause: Irritant, moderate skin.
	May cause irritation to eyes.
	No sensitization effects reported.

11.1. Information on toxicological effects

Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	No teratogenic effects reported.
STOT-repeated exposure	May cause drowsiness or dizziness.
Aspiration hazard	Not expected to cause organ damage from prolonged or repeated exposure.
Repeated or prolonged exposure	May be fatal if swallowed and enters airways.
	Prolonged or repeated exposure may cause: Skin irritation and dermatitis.

11.1.4. Toxicological Information

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	Inhalation Rat LC50/8 h: >5000mg/m3	Oral Rat LD50: >5000mg/kg
	Dermal Rabbit LD50: >5000mg/kg	
Hydrocarbons, C7-C9, isoalkanes	Inhalation Rat LC50/4 h: >21mg/l	Oral Rat LD50: >5000mg/kg
	Dermal Rabbit LD50: >2000mg/kg	

Further information

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Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. vapour. Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system. May cause dizziness and headache. Irritating to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	Daphnia EC50/48h: 1000.0000 mg/l Fish LC50/96h: 1000.0000 mg/l	Algae IC50/72h: 1000.0000 mg/l
Hydrocarbons, C7-C9, isoalkanes	Daphnia EC50/48h: 2.4000 mg/l Fish LC50/96h: 18.4000 mg/l	Algae IC50/72h: 29.0000 mg/l

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

12.2. Persistence and degradability

Evaporates readily.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Compotool CTS202 Stage 2 No data available Hydrocarbons, C7-C9, isoalkanes 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

No Specific data.

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

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

	Do NOT reuse empty containers.
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SECTION 14: Transport information

Hazard pictograms

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14.1. UN number

	UN1993
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14.2. UN proper shipping name

	FLAMMABLE LIQUID, N.O.S. (Aliphatic Hydrocarbons contains Octanes)
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14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

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	33
Tunnel Category	(D/E)

IMDG

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EmS Code	F-E S-E
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

SECTION 15: Regulatory information

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

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

	No chemical safety assessment has been processed for the mixture and the substances it contains.
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Further information

	<p>The following substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation. Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics. (CAS 90622-57-4). Hydrocarbons, C7-C9, isoalkanes (CAS 90622-56-3).</p>
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SECTION 16: Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <p>2 – Precautionary Statement: Disposal.</p> <p>10 – 10.1. Reactivity.</p>
Text of risk phrases in section 3	<p>R10 – Flammable.</p> <p>R11 – Highly flammable.</p> <p>R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R37 – Irritating to respiratory system.</p> <p>R38 – Irritating to skin.</p> <p>R39/23/24/25 – Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p> <p>R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 – Harmful: may cause lung damage if swallowed.</p> <p>R66 – Repeated exposure may cause skin dryness or cracking.</p> <p>R67 – Vapours may cause drowsiness and dizziness.</p>
Text Hazard Statements in Section 3	<p>Flam. Liq. 2: H226 – Flammable liquid and vapour.</p> <p>STOT SE 3: H335 – May cause respiratory irritation.</p> <p>Flam. Liq. 2: H225 – Highly flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 – May be fatal if swallowed and enters airways.</p> <p>Skin Irrit. 2: H315 – Causes skin irritation.</p> <p>STOT SE 3: H336 – May cause drowsiness or dizziness.</p> <p>Aquatic Chronic 2: H411 – Toxic to aquatic life with long lasting effects.</p> <p>EUH066 – Repeated exposure may cause skin dryness or cracking.</p> <p>Acute Tox. 3: H301 – Toxic if swallowed.</p> <p>Acute Tox. 3: H311 – Toxic in contact with skin.</p> <p>Acute Tox. 3: H331 – Toxic if inhaled.</p> <p>STOT SE 1: H370 – Causes damage to organs.</p>
Maximum content of VOC	673 g/l

Further information

	<p>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 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.</p>
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