

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

CTH 903 Densifier Part B

Revision 2

Date 2017-02-09

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

1.1. Product identifier

Product name	CTH 903 Densifier 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; [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	Xn; R22 Xn; R20 Xn; R22,T+; R26 Xi; R36/R38 N; R50/R53 Xi; R37/38, Xn; R41, Xn; R67 Xn; Harmful F; Flammable Xi: Irritating T+; Toxic N; Environment.
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Main hazards	Flammable liquid. May cause an allergic skin reaction. May cause respiratory irritation. My cause eye damage.
2.1.2. Classification - EC 1272/2008	Acute Tox. 1 – H330 Acute Tox. 4 – H302 Acute Tox. 4 – H413 Skin Irrit. 4 – H312 Flam Liq. 3 – H226 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 STOT SE. 3 – H335 Eye Irrit. 2 – H319 Eye Dam. 1 – H318 STOT SE. 3 – H335/H336

2.2. Label elements

Hazard pictograms	
Signal Word	Danger.
Hazard Statement	Asp. Tox. 4 H302 – Harmful if swallowed. Skin. Sens. 1; H317 – May cause an allergic skin reaction. Eye Irrit. 2; H319 – Causes serious eye irritation.

2.2. Label elements

Precautionary Statement:	P232 – Protect from moisture. P233 – Keep container tightly closed. P260 – Do not breathe dust/fumes/gas/mist/vapours/spray. P261 – Avoid breathing dust/fumes/gas/mist/vapours/spray. P264 – Wash thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P271 – Use only outdoors or well ventilated area. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P281 – Use personal protective equipment as required. P284 – wear respiratory protection. P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P403 – Store in a well ventilated place.
Precautionary Statement:	P403+P233 – Store in a well ventilated place. Keep container tightly closed.
Disposal	P501 - Dispose of contents/container to hazardous waste

SECTION 3: Composition/information on ingredients

3.1. Substances

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67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Polyorganosiloxane		63148-62-9			(10-30)%w/w	Xi; R36/38,	
2 - Butanone		78-93-3			(50-80)%w/w	F; R10, Xn; R20/21, Xi; R38	
Tetra-n-butyl-titanate		5596-70-4			(5-10)%w/w	Xn; R22, T+; R26 Xi; R36/R38 N; R50/R53	

EC 1272/2008

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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	Seek medical advice and clearly identify substance. Move to fresh air, keep the victim laying down and restful. If breathing has stopped, give artificial respiration.
Eye contact	Rinse immediately with plenty of water for 10-15 minutes and seek medical advice. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Continue to bathe eyes during transport to medical practitioner.

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Skin contact Ingestion	Wipe off excess material with cloth or paper. Wash with plenty of water or soap and water, immediately remove all contaminated clothing.
	If conscious, give large amounts portions of water to drink. Seek medical advice immediately and produce the label or packaging. Never give an unconscious person anything to drink. DO NOT INDUCE VOMITING.

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

Skin contact Ingestion	Irritating to skin.
	Harmful: 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.
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	Seek medical attention if irritation or symptoms persist.

General information

	After absorbing large amounts of substance: Liberation of reaction products 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 (CO2), Dry chemical. Use water jet.
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5.2. Special hazards arising from the substance or mixture

	Emits toxic fumes of carbon monoxide and carbon dioxide at elevated temperatures
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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.
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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

	Wear personal protective equipment (see section 8). Avoid inhaling mists and vapours. Avoid contact with skin and eyes. Remove all sources of ignition.
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6.2. Environmental precautions

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	Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material e.g. earth, sand or cloth.
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6.3. Methods and material for containment and cleaning up

	Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers.
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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

	Ensure adequate ventilation. Avoid contact with acids. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection).
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7.2. Precautions against fire and explosion

	Avoid prolonged storage at elevated temperatures under wet or acidic conditions.
Suitable packaging	Store in original container.

7.3. Specific end use(s)

	Industrial Mould & Tooling Board Sealer.
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Further information

	Keep container tightly closed and store in a cool, well ventilated place. Protect from against sun. Protect against moisture.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Polyorganosiloxane	Not reported
Organo Tin Compound	Not reported

8.2. Exposure controls

8.2.1. Appropriate engineering controls	
8.2.2. Individual protection Measures	

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Eye / face protection	Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment.
Skin protection – Hand protection	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear chemical protective clothing. Suitable foot protection e.g. boots.
Skin protection – Other	
Respiratory protection	Safety glasses with side-shields.
8.2.3. Environmental exposure controls	Chemical resistant gloves (PVC).
	Wash hands after handling the product.
	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P3 (EN 141A1/A2).
	Do not empty into drains; dispose of this material and its container in a safe way.

8.3. 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 to straw
Odour	Slight
Flammability (solid, gas)	Flammable
Upper Explosive Limit	12 % (V)
Lower Explosive Limit	2 % (V)
Vapour pressure	<1 @ 20o C.
Vapour density	No data available
Partition coefficient	No data available
Auto ignition temperature	No data available
Viscosity	312 cP or 250 cS @ 25o C.
Explosive properties	None
Oxidising properties	None

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Odour threshold	No data available
pH	No data available
Initial boiling point	>180°C
Flash point	>47°C
Evaporation rate	No data available
Water solubility	Hydrolysed

9.2. Other information

Specific gravity	1.27 (25o C.)
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

	Will not polymerize.
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10.4. Conditions to avoid

	Avoid prolonged storage at elevated temperatures under wet or acidic conditions
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10.5. Incompatible materials

	Incompatible with strong oxidizers and alkalis
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10.6. Hazardous decomposition products

	None with proper storage and handling
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity: Assessment	Based on the available data acute toxic effects are not expected after single oral exposure. Inhalable aerosols containing amino functional polysiloxanes may cause harmful effects in the lung in animal experiments. Due to the large influencing parameters (e.g. amine function, degree of substitution, viscosity, composition) an estimation of the toxicological effect on the lung is not possible for untested products of this category. In such cases exposure to inhale aerosols must be prevented by adequate technical measures.
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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	May cause drowsiness or dizziness.
STOT-repeated exposure	
Aspiration hazard	Not expected to cause organ damage from prolonged or repeated exposure.
Repeated or prolonged exposure	Product may pose an aspiration hazard.
	Prolonged or repeated exposure of methanol may cause: irritation of the mucosa, nausea, vomiting, headaches, vertigo and visual disorders, acidosis, spasms, narcosis, and coma.

11.1.4. Toxicological Information

Polyorganosiloxane	Inhalation Rat LC50/4 h: Not Reported	Oral Rat LD50: >6750 mg/kg
	Dermal Rabbit LD50: Not Reported	
Organo Tin Compound	Inhalation Mouse LC50/2 h: 150mg/m ³	
	Oral Mouse LD50/2 h: 210mg/kg Oral	
	Rabbit LD50/2 h: 100mg/kg Oral Rat	
	LD50/2 h: 175mg/kg	
	Oral Rat LD50 3122mg/kg	
	Oral Mouse LD50 180mg/kg	
	Oral Rat LD50 790mg/kg	
	Dermal Rabbit LD50 3400mg/kg	

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Further information

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

According to current knowledge adverse effects on water purification plants are not expected.

12.2. Persistence and degradability

No data is available on this product.

12.3. Bio accumulative potential

No data is available on this product.

Partition coefficient

No data is available on this product.

12.4. Mobility in soil

Insoluble in water. Silicone content: Absorbed by floating particles. Separation by sedimentation.

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

This product is considered to be a water pollutant. Do not allow to enter soil , waterways or waste water canal.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

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

Disposal of packaging

Dispose of according to regulations by incineration in a special waste incinerator.

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Further information

	Completely discharge containers (no tear drops, no powder, scraped carefully). Containers may be re-used.
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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 NOS
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14.3. Transport hazard class (es)

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

14.4. Packing group

Packing group	III
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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	30
Tunnel Category	(D/E)

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IMDG

EmS Code	F-A. S-B
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IATA

Packing Instruction (Cargo)	364
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Maximum quantity	60L
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Packing Instruction (Passenger)	363
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Packing Instruction (Passenger)	5L
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Maximum quantity	5L
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SECTION 15: Regulatory information

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

	No chemical safety assessment has been processed for the mixture and the substances it contains.
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15.2. Chemical safety assessment

	The following substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation. (CAS-301-10-0).
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SECTION 16: Other information

Revision Information	Not Relevant.
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Text Hazard Statements in Section 2 and 3	<p>R10 – Flammable.</p> <p>R20 – Harmful by inhalation.</p> <p>R22 – Harmful if swallowed.</p> <p>R26 – Very toxic by inhalation.</p> <p>R36 – Irritating to eyes.</p> <p>R36/37/38 – Irritating to eyes, respiratory system and skin.</p> <p>R36/38 – Irritating to eyes and skin.</p> <p>R37/38 – Irritating to respiratory system and skin.</p> <p>R41 – Risk of serious damage to eyes.</p> <p>R50 – Very toxic to aquatic organisms.</p> <p>R53 – May cause long-term adverse effects in the aquatic environment. R67 – Vapours may cause drowsiness and dizziness</p> <p>H226 – Flammable liquid.</p> <p>H302 – Harmful if swallowed.</p> <p>H312 – Harmful in contact with skin.</p> <p>H315 – Causes skin irritation.</p> <p>H317 – May cause an allergic skin reaction.</p> <p>H318 – Causes serious eye damage.</p> <p>H319 – Causes serious eye irritation.</p> <p>H330 – Fatal if inhaled.</p> <p>H335 – May cause respiratory irritation.</p> <p>H336 – May cause drowsiness or dizziness.</p> <p>H413 – May cause long lasting harmful effects to aquatic life.</p>
Maximum content of VOC	Not Reported

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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