

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

CTD 003 Densifier Part A

Revision 1

Date 2016-11-04

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

1.1. Product identifier

Product name	CTD 003 Densifier Part A
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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] Air spray gun application; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles;
Description	Industrial 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	Xi; R36/38, F; R10 F; R11, T; N, Xn; R22 Xn; R23/24/25 Xn; R39/23/24/25 F; R11, Xn; R20, Xn; R22 Xi; R36/37 Xi; R36/37/38 Xn; Harmful F; Flammable Xi; Irritating T; Toxic N; Environment.
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Main hazards	Highly flammable liquid. May cause an allergic skin reaction. May cause respiratory irritation. May cause eye damage.
2.1.2. Classification - EC 1272/2008	Acute Tox. Oral 5; H303, Acute Tox. Derm 5; H313, Flam Liq. 4; H227, Flam Liq. 3; H226, Acute Tox. Oral 3; H301, Acute Tox. Derm 3 H311, Acute Tox. Inhal 3 H331, Acute Tox. Aqua 2 H411, STOT SE 3; H335, H336, STOT RE 2; H373, Flam Liq. 2; H225, Skin Irrit. 2; H315, Eye Irrit. 2b; H320, STOT SE 3; H335. Acute Tox. 4;

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	H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319.
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger.
Hazard Statement	Acute Tox. Oral 5; H303, Acute Tox. Derm 5; H313, Flam Liq. 4; H227, Flam Liq. 3; H226, Acute Tox. Oral 3; H301, Acute Tox. Derm 3 H311, Acute Tox. Inhal 3 H331, Acute Tox. Aqua 2 H411, STOT SE 3; H335, H336, STOT RE 2; H373, Flam Liq. 2; H225, Skin Irrit. 2; H315, Eye Irrit. 2b; H320, STOT SE 3; H335. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319.

2.2. Label elements

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Precautionary Statement:	<p>P232 – Protect from moisture.</p> <p>P233 – Keep container tightly closed.</p> <p>P240 – Ground/bond container and receiving equipment.</p> <p>P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.</p> <p>P261 – Avoid breathing dust/fumes/gas/mist/vapours/spray.</p> <p>P264 – Wash thoroughly after handling.</p> <p>P270 – Do not eat, drink or smoke when using this product.</p> <p>P271 – Use only outdoors or well ventilated area.</p> <p>P280 – Wear protective gloves/protective clothing/eye protection/face protection. P281</p> <p>– Use personal protective equipment as required.</p> <p>P284 – wear respiratory protection.</p> <p>P303+P361+P352 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.</p> <p>P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.</p> <p>P337+P313 – If eye irritation persists: Get medical attention.</p> <p>P403 – Store in a well ventilated place.</p>
Precautionary Statement:	<p>P403+P233 – Store in a well ventilated place. Keep container tightly closed.</p>
Disposal	<p>P501 - Dispose of contents/container to hazardous waste</p>

SECTION 3: Composition/information on ingredients

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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.
Polyorganosiloxane		63148-62-9			(70-80)%w/w	Xi; R36/38,	
Mineral Fillers unspecified					(10-15)%w/w		
Vegetable Oil Derivatives		68956-68-3			<0.5%w/w	F; R10	
Methanol		67-56-1	614-229-4	603-001-00-X	<5%w/w	F; R11, T; N, Xn; R22 Xn; R23/24/25 Xn; R39/23/24/25	
Ethanol		64-17-5	201-083-8		<5%w/w	F; R11, Xn; R20, Xn; R22 Xi; R36/37 Xi; R36/37/38	
Xylol		601-022-00-9	1330-20-7	01-2119488216-32-0020	(20)%w/w	F; R10, Xn; R20/21, Xi; R38	
Butyl Cellosolve		111-76-2	203-905-0		<3.5%w/w	F; R10 Xn; R20/21/22 Xi; R36/38	

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EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Polyorganosiloxane		643148-62-9			(20-30)%w/w	Acute Tox. Oral 5 - H303 Acute Tox. Derm 5 - H313	
Mineral Fillers unspecified					(70-80)%w/w		
Vegetable Oil Derivatives		68959-68-3			<0.5%w/w	Flam Liq. 4 - H227	
Methanol		67-56-1	614-229-4	603-001-00-X	<5%w/w	Flam Liq. 3 - H226 Acute Tox. Oral 3 - H301 Acute Tox. Derm 3 - H311 Acute Tox. Inhal 3 - H331 Acute Tox. Aqua 2 - H411 STOT SE 3 - H335, H336	
Ethanol		64-17-5	200-578-6		<5%w/w	STOT RE 2 - H373 Flam Liq. 2 - H225 Skin Irrit. 2 - H315	
Xylol		601-022-00-9	1330-20-7	01-2119488216 32-0020	(20)%w/w	Eye Irrit. 2b - H320 STOT SE 3 - H335 Flam Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332	
Butyl Cellosolve		111-76-2	203-905-0		<3.5%w/w	Skin Irrit. 2 - H315 Flam Liq. 4 - H227 Acute Tox. 4 - H302 Acute tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	

Further information

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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.
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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.
Skin contact	Wipe off excess material with cloth or paper. Wash with plenty of water or soap and water, immediately remove all contaminated clothing.
Ingestion	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	Irritating to skin.
Ingestion	Harmful: 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	Seek medical attention if irritation or symptoms persist.
Ingestion	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 (CO ₂), 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

	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.

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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
Mineral Fillers Unspecified	Not reported
Vegetable Oil Derivatives	Not reported
Methanol	TWA 8 H 1920 mg/m ³ (1000ppm)
Ethanol	TWA 1880 mg/m ³ (1000ppm)
Butyl Cellosolve	Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m ³ Short-term exposure limit (15minute): WEL 50 ppm 246 mg/m ³

8.2. Exposure controls

<p>8.2.1. Appropriate engineering controls</p> <p>8.2.2. Individual protection Measures</p>	
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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.

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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	Orange
Odour	Slight
Flammability (solid, gas)	Flammable
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient	No data available
Auto ignition temperature	No data available
Viscosity	312 cP or 250 cS @ 25°C.
Explosive properties	None
Oxidising properties	None
Odour threshold	No data available
pH	No data available
Initial boiling point	>35°C.
Flash point	>36°C.
Evaporation rate	No data available
Solubility	No data available

9.2. Other information

Specific gravity	1.27 (25°C.)
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VOC (Volatile organic compounds)	No data available
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SECTION 10: Stability and reactivity

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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

	Emits toxic fumes of carbon monoxide and carbon dioxide at elevated temperatures. Methanol and ethanol fumes are produced by decomposition.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.

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STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration hazard	Product may pose an aspiration hazard.
Repeated or prolonged exposure	Prolonged or repeated exposure of methanol may cause: irritation of the mucosa, nausea, vomiting, headaches, vertigo and visual disorders, acidosis, spasms, narcosis, and coma.

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11.1.4. Toxicological Information

Polyorganosilicate	No Data Available
Mineral Fillers Unspecified	No Data Available
Vegetable Oil Derivatives	No Data Available
Methanol	Acute Tox. LD50 Oral Rat 5628 mg/kg Acute Tox. LD50 Inhal Rat 4h 64000ppm Acute Tox LD 50 Derm Rabbit 15800 mg/kg Skin Irrit Rabbit 24h
Ethanol	Eye Irrit Rabbit 24h Acute Tox. Oral LD50 Rat 7060 mg/kg Acute Tox Inhal LC50 Rat 66000 mg/l
Butyl Cellosolve	Acute Tox. Derm LdLo Rabbit 20000 mg/kg Acute Tox. Oral LD50 Guin. Pig 1400 mg/kg Acute Tox. Oral LD50 Rat 1745 mg/kg Skin Irrit. LD50 Rat 2270 mg/kg Acute Tox. Inhal. Rat 7h 700 ppm

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.
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SECTION 12: Ecological information

12.1. Toxicity

Methanol	Toxicity to fish LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - 19,000.00 mg/l - 96 h LC50 - <i>Cyprinus carpio</i> (Carp) - 36,000.00 mg/l - 48 h
Ethanol	Toxicity to daphnia and other aquatic EC50 - <i>Daphnia magna</i> (Water flea) - 24,500.00 mg/l - 48 h Aquatic toxicity – fish : In high concentration it harms fish and plankton; LC50 (fish, 96 hours) – 15.3 mg/L (<i>Pimephales promelas</i>) Aquatic toxicity – daphnia : Threshold for deleterious effects in small crustaceans upwards of 7.800 mg/l; EC50 (<i>Daphnia</i> , 48 hours) – 5012 mg/L (<i>Ceriodaphnia dubia</i>) Aquatic toxicity – algae : Toxic threshold concentration: <i>Pseudomonas putida</i> upwards of 6.500mg/l, <i>Scenedesmus quadricauda</i> upwards of 5.000mg/l, <i>Microsystis aeruginosa</i> upwards of 1.450ml/L IC50 (algae, 72 hours) – 275 mg/L

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bio accumulative potential

Date 2016-11-04

	No data is available on this product.
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Partition coefficient

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12.4. Mobility in soil

	Insoluble in water. Silicone content: Absorbed by floating particles. Separation by sedimentation.
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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.
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12.6. Other adverse effects

	No Specific data.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

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

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

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

	Not applicable.
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14.6. Special precautions for user

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	3Z
Tunnel Category	(D/E)

IMDG

EmS Code	F-A. S-E
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60L
Packing Instruction (Passenger)	363
Maximum quantity	5L

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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Further information

SECTION 16: Other information

Revision Information	Not Relevant.
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No chemical safety assessment has been processed for the mixture and the substances it contains.

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<p>Text Hazard Statements in Section 2 and 3</p>	<p>R10 – Flammable. R11 – Highly Flammable R20 – Harmful by inhalation. R21 – Harmful in contact with skin. R22 – Harmful if swallowed R36/37/38 – Irritating to eyes, respiratory system and skin. R36/38 – Irritating to eyes and skin. R37/38 – Irritating to respiratory system and skin.</p> <p>H225 – Highly flammable liquid and vapour. H226 – Flammable liquid. H227 – Combustible liquid. H301 – Toxic if swallowed. H302 – Harmful if swallowed. H303 – May be harmful if swallowed. H311 – Toxic if in contact with skin. H312 – Harmful in contact with skin. H313 – May be harmful in contact with skin. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H320 – Causes eye irritation. H331 – Toxic if inhaled. H332 – Harmful if inhaled. H335 – May cause respiratory irritation. H336 – May cause drowsiness or dizziness. H373 – May cause damage to organs through prolonged or repeated exposure. H411 – Toxic to aquatic life with long lasting effects.</p>
<p>Maximum content of VOC</p>	<p>Not Reported</p>

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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