


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name: Camphor Oil White.		
Biological Definition		
INCI Name	Cinnamomum Camphora Oil	
Synonyms & Trade Names		
EC NO: 295—980-1	CAS NO: 8008-51-3	EINECS CAS Number: 92201-50-8
Index No:	Reach Registration No: 01-2120082524-56-XXXX	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Industrial, only for professional use.		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. <u>Or call NHS 111 or NHS 999</u>	

2. Hazards Identification				
2.1 Classification of the substance or mixture				
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards	Flam. Liq. 3 – H226		
	Human Health	Skin Irrit.2 – H315	Eye Irrit. 2- H319	
		Skin Sens. 1 – H317	Asp. Tox.1 – H304	
	Environment	Aquatic Chronic. 2 – H411		
	Human Health	May be fatal if swallowed and enters airways. The product is irritating to eyes and skin. May cause an allergic skin reaction.		
	Environment	Toxic to aquatic life with long lasting effects.		
Physiochemical	Flammable liquid and vapour.			
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:				
				
Signal Word. DANGER				
Contains: 1, 8 cineole Dipentene Alpha Pinene				

p-Cymene
p-mentha-1,4-diene
Beta Pinene
7-methyl-3-methyleneocta-1,6-diene
Sabinene
a Terpinolene

Hazard statements.

H226	Flammable liquid and vapour	H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways	H315	Causes skin irritation
H317	May cause an allergic skin reaction	H319	Causes serious eye irritation
H335	May cause respiratory irritation	H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects	H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects		

Precautionary statements.

P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P262	Do not get in eyes, on skin, or on clothing.

Supplementary Precautionary Statements:

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P302+P352	IF ON SKIN: Wash with plenty of water
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see medical advice on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse
P370+P378	In case of fire: Use foam, Carbon dioxide, dry powder, or water fog to extinguish.

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with national regulations.
2.3 Other hazards – Results of PBT and vPvB According to Annex XIII	
Adverse Physio- chemical Properties	
Adverse Effects on Human Health	

3. 1 Composition / information on ingredients: Mixtures

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
1, 8 Cineole	CAS: 470-82-6 EC: 207-431-5	33 – 45%	Flam. Liq. 3 – H226 Skin Sens. 1B – H317
Dipentene	CAS: 138-86-3 EC: 205-341-0 M Factor (Acute) = 1 M Factor (Chronic) = 1	8 – 36%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
Alpha Pinene	CAS: 80-56-8 EC: 201-291-9 M Factor (Acute) = 1 M Factor (Chronic) = 1	4 – 17%	Flam. Liq. 3 – H226 Acute Tox. 4 – H302 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
p-Cymene	CAS: 99-87-6 EC: 202-796-7	1 – 12.4%	Flam. Liq. 3 – H226 Repr. 2 – H361 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411
p-mentha-1, 4-diene	CAS: 99-85-4 EC: 202-794-6	0.5 – 10%	Flam. Liq. 3 – H226 Repr. 2 – H361 Aquatic Chronic 2 – H411
Beta Pinene	CAS: 127-91-3 EC: 242-060-2 M Factor (Acute) = 1 M Factor (Chronic) = 1	0.7 – 9%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
Alpha Phellandrene	CAS: 99-83-2	0.5 – 4%	Flam. Liq. 3 – H226

	EC: 202-792-5		Asp. Tox. 1 – H304
7-methyl-3-methyleneocta1, 6-diene	CAS: 123-35-3 EC: 204-622-5 M Factor (Acute) = 1 M Factor (Chronic) = 1	0.5 – 8%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
Sabinene	CAS: 3387-41-5 EC: 222-212-4	0.1 – 25%	Acute Tox. 4 – H302
a Terpinolene	CAS: 586-62-9 EC: 209-578-0	0.09 – 5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411
p-menth-1-en-8-o	CAS: 98-55-5 EC: 202-680-6	0.02 – 3%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319
Terpinene-1-ol-4	CAS: 562-74-3 EC: 209-235-5	0.01 – 3%	Acute Tox. 4 – H302 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 STOT SE 3 – H336

The full text for all R -Phrases and Hazard Statements are displayed in Section 16.

4. First Aid Measures

4.1 General	Immediately remove any clothing soiled by the product.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention immediately.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils. Aspiration hazard if swallowed.

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

	No further relevant information available.
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4.3 Indication of any immediate medical attention and special treatment need

	No further relevant information available.
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5. Firefighting Measures

5.1 Extinguishing Media:

Suitable extinguishing media:	Use as appropriate Carbon dioxide (CO ₂), dry chemical or foam.
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Unsuitable extinguishing media:	For safety reasons do not use full water jet.
5.2 Special hazards arising from the substances or mixture:	When heated to decomposition, it emits acrid smoke as well as Carbon monoxide (CO) and Carbon dioxide (CO ₂)
Hazardous combustion products:	
5.3 Advice for firefighters	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
Special Protective Equipment for Fire-fighters.	Wear full protective clothing.

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures;	No smoking, sparks, flames, or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
6.1.1 For non-emergency personnel	
Protective equipment:	Wear protective clothing as described in Section 8 of this safety data sheet.
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb with inert, non-combustible, inorganic absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite). Sweep up and remove to an approved disposal container. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult Section 13.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	For personal protection, see Section 8.

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. For personal protection, see Section 8.	
Measures to prevent fire:	
Measures to prevent aerosol	

and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Observe good personal hygiene, and do not eat, drink, or smoke whilst handling. Provide eyewash station.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	Keep containers sealed when not in use. Store in tightly closed, original container in a dry, cool, and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:		
8.1 Control parameters		
1, 8 Cineole CAS: 470-82-6	DNEL	Workers – Inhalation; Long term systemic effects: 7.05 mg/m ³ Workers – Dermal; Long term systemic effects: 2 mg/kg, bw/day General Population – Inhalation; Long term systemic effects: 1.74 mg/m ³ General Population – Dermal; Long term systemic effects: 1 mg/kg, bw/day General Population – Oral; Long term systemic effects: 600 mg/kg, bw/day
	PNEC	Fresh water; Short term: 5.7 mg/l Fresh water; Intermittent release: 0.57 mg/l Marine water; Short term: 5.7 mg/l STP; Short term: 10 mg/l Sediment (Freshwater); Short term: 1.425 mg/kg Sediment (Marinewater); Short term: 0.142 mg/kg Soil; Short term: 0.25 mg/kg

Alpha Pinene CAS: 80-56-8	DNEL	Workers – Inhalation; Long term systemic effects: 3.8 mg/m ³ Workers – Dermal; Long term systemic effects: 0.54 mg/kg, bw/day General Population – Inhalation; Long term systemic effects: 0.67 mg/m ³ General Population – Dermal; Long term systemic effects: 0.19 mg/kg, bw/day General Population – Oral; Long term systemic effects: 0.19 mg/kg, bw/day
	PNEC	Fresh water; Short term: 0.606 mg/l Fresh water; Intermittent release: 3.03 mg/l Marine water; Short term: 0.061 mg/l Marine water; Intermittent release: 0.303 mg/l STP; Short term: 0.2 mg/l Sediment (Freshwater); Short term: 157 mg/kg Sediment (Marinewater); Short term: 15.7 mg/kg Soil; Short term: 31.7 mg/kg
Beta Pinene CAS: 127-91-3	DNEL	Workers – Inhalation; Long term systemic effects: 5.69 mg/m ³ Workers – Dermal; Long term systemic effects: 0.8 mg/kg, bw/day General Population – Inhalation; Long term systemic effects: 1 mg/m ³ General Population – Dermal; Long term systemic effects: 0.3 mg/kg, bw/day General Population – Oral; Long term systemic effects: 0.3 mg/kg, bw/day
	PNEC	Fresh water; Short term: 1.004 mg/l Fresh water; Intermittent release: 5.02 mg/l Marine water; Short term: 0.1 mg/l STP; Short term: 3.26 mg/l Sediment (Freshwater); Short term: 0.337 mg/kg Sediment (Marinewater); Short term: 0.034 mg/kg Soil; Short term: 0.067 mg/kg
7-methyl-3- methyleneocta-1, 6- diene CAS: 123-35-3	DNEL	Workers – Dermal; Long term systemic effects: 0.83 mg/kg Workers – Inhalation; Long term systemic effects: 5.83 mg/m ³ General Population – Dermal; Long term systemic effects: 0.42 mg/kg General Population – Inhalation; Long term systemic effects: 1.25 mg/m ³
	PNEC	STP: 0.2 mg/l Soil: 1.015 mg/kg Fresh water: 0.00028 mg/l Marine water: 0.0008 mg/l Sediment (Freshwater): 5.022 mg/kg Sediment (Marinewater): 0.502 mg/kg
a terpinolene CAS: 586-62-9	DNEL	Workers – Inhalation; Long term systemic effects: 3.6 mg/m ³ Workers – Dermal; Long term systemic effects: 0.52 mg/kg, bw/day General Population – Inhalation; Long term systemic effects: 0.9 mg/m ³ General Population – Dermal; Long term systemic effects: 0.26 mg/kg, bw/day General Population – Oral; Long term systemic effects: 0.26 mg/kg, bw/day

	PNEC	Fresh water; Short term: 0.634 mg/l Fresh water; Intermittent release, Short term: 0.634 mg/l Marine water; Short term: 0.063 mg/l STP; Short term: 0.2 mg/l Sediment (Freshwater); Short term: 14.7 mg/kg Sediment (Marine water); Short term: 14.7 mg/kg Soil; Short term: 29.1 mg/kg
p-menth-1-en-8-ol CAS: 98-55-5	PNEC	Fresh water; Short term: 68 mg/l Marine water; Short term: 6.8 mg/l STP; Short term: 2.6 mg/l Sediment (Freshwater); Short term: 1.85 mg/kg Sediment (Marine water); Short term: 0.185 mg/kg Soil; Short term: 0.329 mg/kg
8.2 Exposure controls		
Appropriate Engineering Controls	Provide adequate general and local exhaust ventilation	
8.2.2 Personal Protection equipment: Use personal protection according to Directive 89/686/EEC		
8.2.2.1 Eye / face protection	Approved safety goggles.	
8.2.2.2 Skin Protection		
Hand protection	Chemical resistant gloves (PVC).	
Other skin protection	Wear protective clothing.	
Hygiene Measures	Good personal hygiene procedures should be implemented.	
8.2.2.3 Respiratory protection	Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.	
Ventilation		
8.2.2.4 Thermal hazards		
8.2.3 Environmental exposure controls	Avoid discharging into drains.	
9. Physical and chemical properties- C of A		
9.1 Information on basic physical and chemical properties		
Colour	Colourless	
Appearance	Liquid	
Odour	Characteristic	
Melting Point / freezing point	REACH dossier information <-20°C	
Boiling point /Initial boiling point & boiling range	REACH dossier information 155 to 172°C	
Flammability		
Lower and upper explosion limit		
Flash point °C	REACH dossier information 46°C	
Auto- ignition temperature	REACH dossier information. The auto ignition temperature of the test substance was measured according to EU A. 15/DIN 51794 guideline. Three main tests were performed, the relevant parameters were recorded, and	

	results ranged between 254 and 255°C. The lowest result, rounded down to 5°C, i.e., 250°C is retained.
Decomposition temperature	
pH	
Kinematic Viscosity	
Solubility(ies)	Slightly soluble in water, 0.1 -100 mg/l
Solubility in other Solvents	
Partition Coefficient	REACH dossier information. Partition coefficient, Log Kow, of the substance Sabinene (CAS 3387-41-5), has been calculated by the model iSafeRat® HA-QSAR toolbox v1.1. Calculation was performed from the input SMILES of Sabinene, and Sabinene falls inside the Applicability Domain of the model. Therefore, the Log ow value of Sabinene is 4.64. Sabinene cannot be excluded as potential Bio accumulative in a PBT context.
Vapour Pressure @ 25°C	200 Pa
Relative Density @ 20°C	0.8700 to 0.9100
Relative vapour density	
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	
Specific gravity d ₂₀ ²⁰	
Optical rotation @ 20°C	
Refractive index @ 20°C	1.4620 to 1.4720
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	No reaction known with water.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No information available.
10.4 Conditions to avoid:	Avoid heat, flames, and other sources of ignition.
10.5 Incompatible Materials:	Not known.
10.6 Hazardous Decomposition Products	Liable to cause smoke and acid fumes during combustion: Carbon monoxide (CO), Carbon dioxide (CO ₂) and other nonidentified organic compounds may be formed.


11. Toxicological information		
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008		
Information on Toxicological Effects		
Acute toxicity - Oral	Notes (Oral LD50)	LD50 5100 mg/kg, Oral, Rat.
	ATE Oral (mg/kg)	4065.04
Skin corrosion /irritation:	Causes skin irritation.	

Seriously eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	
Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	May be harmful if swallowed and enters airway.

12. Ecological information			
12.1 Toxicity	No data available.		
12.2 Persistency & degradability	No data available.		
12.3 Bio accumulative potential	<table border="1"> <tr> <td>Partition Coefficient</td> <td>REACH dossier information. Partition coefficient, Log Kow, of the substance Sabinene (CAS 3387-41- 5), has been calculated by the model iSafeRat® HA-QSAR toolbox v1.1. Calculation was performed from the input SMILES of Sabinene, and Sabinene falls inside the Applicability Domain of the model. Therefore, the Log ow value of Sabinene is 4.64. Sabinene cannot be excluded as potential Bio accumulative in a PBT context.</td> </tr> </table>	Partition Coefficient	REACH dossier information. Partition coefficient, Log Kow, of the substance Sabinene (CAS 3387-41- 5), has been calculated by the model iSafeRat® HA-QSAR toolbox v1.1. Calculation was performed from the input SMILES of Sabinene, and Sabinene falls inside the Applicability Domain of the model. Therefore, the Log ow value of Sabinene is 4.64. Sabinene cannot be excluded as potential Bio accumulative in a PBT context.
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12.4 Mobility in soil	No data available.		
12.5 Results of PBT and vPvB Assessment	No data available.		
12.6 Endocrine disrupting properties			
12.7 Other adverse effects	No data available.		

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of waste product or used containers in accordance with local regulations.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	

13.1.4 Other disposal-relevant recommendations:	Dispose of the contents / container in accordance with local / regional / national / international regulations.
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14. Transport information	
14.1 UN Number or ID number ADR/RID, IMDG, ICAO, ADN	1130
14.2 UN proper Shipping name ADR/RID, IMDG, ICAO, ADN	Camphor Oil
14.3 Transport hazard class(es) ADR/ RID, IMDG, ICAO, ADN	3
ADR / RID Classification Code	F1
Transport Labels	
14.4 Packing group ADR/RID, IMDG, ICAO, ADN	III
14.5 Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant
14.6 Special precautions for user	EmS
	ADR Transport Category
	Emergency Action Code
	Hazard Identification Number ADR/ RID
	Tunnel Restriction Code
14.7 Maritime transport in bulk according to IMO instruments	No F-E, S-E 3 3Y 30 (D/E)

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
EU Legislation	Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	CHIP for everyone HSG228
15.2 Chemical Safety Assessment	

16. Other information	
(i)	Indication of Changes: Revised Safety Data Sheet Format: From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.
(ii)	Abbreviations and acronyms: DNEL: Derived No-Effect Level. PNEC: Predicted No- Effect Concentration. ADR: European agreement concerning the international carriage of dangerous goods by road.

RID: Regulations concerning the International carriage of Dangerous goods by rail.
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Maritime Dangerous Goods.
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
WGK: Water Hazard Class.
LC50: Lethal concentration, 50 percent
LD50: Lethal Dose, 50 percent
PBT: Persistent, Bio accumulative and Toxic
vPvB: Very Persistent and very Bio accumulative
Flam. Liq: Flammable Liquid
AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation
Asp: Aspiration Hazard
Skin Corr/ Irrit: Skin Corrosion / Irritation
Skin Sens: Skin Sensation
Eye Dam/ Irrit: Eye damage / Irritation
Muta: Mutagenic
Carc: Carcinogenic
Resp: Respiration Sensitive
Repro: Reproductive Sensitive
EH A: Environmental Hazard Aquatic Acute
EH C: Environmental Hazard Aquatic Chronic

(iii) **Key Literature references and sources of date.**

(iv) **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	

Shelf life	Minimum 12 months when stored in the advised conditions.
QC requirements	
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.	
Disclaimer:	
<p>The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.</p>	