Penny Price Aromatherapy/ Aroma Formulations
SAFETY DATA SHEET
According to Regulation (EC) No.1272/2008

1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Lemongrass Oil Cochin		
Substance name: CYMBOPOGON FLEXUOSUS OIL		
Biological Definition		
INCI Name		
Synonyms & Trade Names		
EC NO: 295-161-9	**CAS NO:**	**EINECS CAS Number: 91844 -92 -7**
FEMA Number: 2624	**CoE Number: 38**	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses:		
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. Or call NHS 111 or NHS 999	

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	Not classified	
	Human Health	Skin Irrit. 2-H315	Eye Dam. 1- H318
		Skin Sens. 1 – H317	Asp. Tox. 1 -H304
	Environment	Aquatic Chronic. 2 – H411	

2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:

Signal Word. DANGER

Contains: Citral
Geraniol
Geranyl Acetate
Dipentene
Alpha Pinene
Citronellal
Eugenol
Citronellol

A Terpinolene			
Hazard statements.			
H226	Flammable liquid and vapour	H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation	H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.	H319	Causes serious eye 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.			
P264	Wash contaminated skin thoroughly after handling.		
P273	Avoid release to the environment.		
P280	Wear protective gloves / protective clothing / eye protection / face protection.		
P302+P352	IF ON SKIN: Wash with plenty of water.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do. Continue rinsing.		
P331	Do Not induce vomiting.		
Supplementary Precautionary Statements:			
P261	Avoid breathing vapour / spray.		
P272	Contaminated work clothing should not be allowed out of the workplace.		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE / doctor.		
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.		
P362+P364	Take off contaminated clothing and wash it before reuse.		
P391	Collect spillage.		
P405	Store locked up.		
P501	Dispose of contents/ container in accordance with local/ regional/ national/ international 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:			
Substance name	**Index number under CLP Annex VI**	**Weight % content (or range)**	**CL, M-Factor, ATE**
Citral	CAS: 5392-40-5 EC: 226-394-6	65-85%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319

			Skin Sens. 1 – H317
Geraniol	CAS: 106-24-1 EC: 203-377-1	2-10%	Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317
Geranyl Acetate	CAS: 105-87-3 EC: 203-341-51	<0.01-6%	Skin Irrit. 2 – H315 Skin Sens. 1B – H317 Aquatic Chronic 3 – H412
Beta Caryophyllene	CAS: 87-44-5 EC: 201-756-1	0.50-3%	Skin Sens. 1B – H317 Asp. Tox. 1 – H304 Aquatic Chronic 4 – H413
Cadinenes (Alpha, Beta & Gamma)	CAS: 483-76-1	<0.01-3%	Not classified
Camphene	CAS: 79-92-5 EC: 201-234-8 M Factor (Chronic) = 1	0.5-3%	Flam. Sol. 1 – H228 Eye Irrit. 2 – H319 Aquatic Chronic 1 – H410
6-Methyl-5-hepten-2-one	CAS: 110-93-0 EC: 203-816-7	<0.01-3%	Flam. Liq. 3 – H226
Linalool	CAS: 78-70-6 EC: 201-134-4	<0.01-3%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317
Dipentene	CAS: 138-86-3 EC: 205-341-0 M Factor (Acute) =1 M Factor (Chronic) = 1	1-11%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
Nan-4-one	CAS: 4485-09-0 EC: 224-519-7	<0.01-2.5%	Eye Irrit. 2 - H319
Caryophyllene Oxide	CAS: 4485-09-0 EC: 224-770-4	<0.01-0.50%	Aquatic Chronic 2 – H411
Trans-Ocimene	CAS: 13877-91-3 EC: 237-641-2 M Factor (Acute) = 1	<0.01-1%	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 2 – H411
Alpha Pinene	CAS: 80-56-8 EC: 201-291-9 M Factor (Acute) = 1 M Factor (Chronic) = 1	<0.01-2%	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
Citronellal	CAS: 106-23-0 EC: 203-376-6	<0.01-1%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1B – H317
Eugenol	CAS: 97053-0	<0.01-0.50%	Eye Irrit. 2 – H319

	EC: 232-589-1		Skin Sens. 1 – H317 Asp. Tox. 1 – H304
Terpineol (Alpha, Beta & Gamma)	CAS: 8000-41-7 EC: 232-268-1	<0.01-1%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319
A Terpinolene	CAS: 586-62-9 EC: 209-578-0	<0.01-1%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411
Citronellol	CAS: 106-22-9 EC: 203-375-0	<0.01-1.5%	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317
Nerol	CAS: 106-25-2 EC: 203-378-7	<0.01-1%	Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317

The full text for all 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 if required.
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.
4.2 Most important symptoms and effects, both acute and delayed:	
	No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment need	
	No further relevant information available.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Extinguish with dry sand, Carbon dioxide or dry powder.
Unsuitable extinguishing media:	For safety reasons do not use full water jet.
5.2 Special hazards arising from the substances or mixture: None	
Hazardous combustion products:	In case of fire, the following can be released: Carbon monoxide (CO), Carbon dioxide (CO2), smoke, soot.
5.3 Advice for firefighters	Use special protective clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures: Avoid contact with skin and eyes. Avoid inhalation of vapours. For personal protection, see Section 8.	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb with liquid binding material (e.g., sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. Dispose of contents/container in accordance with international regulations. Provide adequate ventilation.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	

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. Observe good personal hygiene, and do not eat, drink, or smoke whilst handling.	
Measures to prevent fire:	
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Keep containers sealed when not in use. Avoid contact with skin and eyes. Avoid inhalation of vapours.
7.2 Conditions for safe storage, including any incompatibilities	

Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	
Storage Class: Further information on storage containers:	Keep air contact to a minimum. Store in tightly closed, original container in a dry, cool and well-ventilated place.
7.3 Specific end use(s).	
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:		
8.1 Control parameters		
Citral CAS: 5392-40-5	DNEL	Workers – Dermal; Long-term systemic effects: 1.7 mg/kg Workers – Inhalation; Long-term systemic effects: 9 mg/m³ General population – Oral; Long-term systemic effects: 0.6 mg/kg General population – Dermal; Long-term systemic effects: 1 mg/kg General population – Inhalation; Long-term systemic effects: 2.7 mg/m³
	PNEC	STP; 1.6 mg/l Soil; 0.0209 mg/kg Intermittent release; 0.0678 mg/l Fresh water; 0.00678 mg/l Marine water; 0.000678 mg/l Sediment (Freshwater); 0.125 mg/kg Sediment (Marinewater); 0.0125 mg/kg
Geraniol CAS: 106-24-1	DNEL	Workers – Dermal; Long-term systemic effects: 12.5 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 161.6 mg/m³ General population – Oral; Long-term systemic effects: 13.75 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 7.5 mg/kg, bw/day

		General population – Inhalation; Long-term systemic effects: 47.8 mg/m³
	PNEC	STP; Short-term: 0.7 mg/l Soil; Short-term: 0.017 mg/kg Intermittent release; Fresh water: 0.108 mg/l Fresh water; Short-term: 0.011 mg/l Marine water; Short-term: 0.001 mg/l Sediment (Freshwater); Short-term: 0.115 mg/kg Sediment (Marinewater); Short-term: 0.011 mg/kg
Geranyl Acetate CAS: 105-87-3	DNEL	Workers – Dermal; Long-term systemic effects: 35.5 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 62.59 mg/m³ General population – Oral; Long-term systemic effects: 8.9 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 17.75 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 15.4 mg/m³
	PNEC	STP; Short-term: 8 mg/l Soil; Short-term: 0.086 mg/kg Intermittent release; Fresh water: 37.2 mg/l Fresh water; Short-term: 3.72 mg/l Marine water; Short-term: 0.372 mg/l Sediment (Freshwater); Short-term: 0.442 mg/kg Sediment (Marinewater); Short-term: 0.044 mg/kg
Camphene CAS: 79-92-5	DNEL	Workers – Dermal; Long-term systemic effects: 0.21 mg/kg, bw/day Workers – Dermal; Short-term systemic effects: 1.25 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 110.19 mg/m³ Workers – Inhalation; Short-term systemic effects: 110.19 mg/m³ General population – Oral; Long-term systemic effects: 0.625 mg/kg, bw/day General population – Oral; Short-term systemic effects: 0.1 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 0.1 mg/kg, bw/day General population – Dermal; Short-term systemic effects: 0.625 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 54.3 mg/m³ General population – Inhalation; Short-term systemic effects: 54.3 mg/m³
	PNEC	STP; Short-term: 10 mg/l

		Soil; Short-term: 0.021 mg/kg Intermittent release; Fresh water: 0.001 mg/l Fresh water; Short-term: 0.001 mg/l Marine water; Short-term: 0 mg/l Sediment (Freshwater); Short-term: 0.026 mg/kg Sediment (Marinewater); Short-term: 0.003 mg/kg
Linalool CAS: 78-70-6	DNEL	Workers – Dermal; Long-term systemic effects: 2.5 mg/kg Workers – Dermal; Short-term systemic effects: 5 mg/kg Workers – Inhalation; Long-term systemic effects: 2.8 mg/m^3 Workers – Inhalation; Short-term systemic effects: 16.5 mg/m^3 General population – Oral; Long-term systemic effects: 0.2 mg/kg General population – Oral; Short-term systemic effects: 1.5 mg/kg General population – Dermal; Long-term systemic effects: 1.25 mg/kg General population – Dermal; Short-term systemic effects: 2.5 mg/kg General population – Inhalation; Long-term systemic effects: 0.7 mg/m^3 General population – Inhalation; Short-term systemic effects: 4.1 mg/m^3
	PNEC	STP; Short-term: 10 mg/l Soil; Short-term: 0.327 mg/kg Intermittent release; Short-term: 2 mg/l Fresh water; Short-term: 0.2 mg/l Marine water; Short-term: 0.02 mg/l Sediment (Freshwater); Short-term: 2.22 mg/kg Sediment (Marinewater); Short-term: 0.222 mg/kg
Alpha Pinene CAS: 80-56-8	DNEL	Workers – Dermal; Long-term systemic effects: 0.54 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 3.8 mg/m^3 General population – Oral; Long-term systemic effects: 0.19 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 0.19 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 0.67 mg/m^3
	PNEC	STP; Short-term: 0.2 mg/l Soil; Short-term: 31.7 mg/kg Intermittent release; marine water: 0.303 mg/l Fresh water; Short-term: 0.606 mg/l Fresh water; Intermittent release: 3.03 mg/l Marine water; Short-term: 0.061 mg/l Sediment (Freshwater); Short-term: 157 mg/kg

		Sediment (Marinewater); Short-term: 15.7 mg/kg
Citronellal CAS: 106-23-0	DNEL	Workers – Dermal; Long-term systemic effects: 1.7 mg/kg, bw/day Workers – Dermal; Long-term local effects: 140 mg/cm^2 Workers – Inhalation; Long-term systemic effects: 9 mg/m^3 General population – Oral; Long-term systemic effects: 0.6 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 1 mg/kg, bw/day General population – Dermal; Long-term local effects: 140 mg/cm^2 General population – Inhalation; Long-term systemic effects: 2.7 mg/m^3
	PNEC	STP; Short-term: 4 mg/l Soil; Short-term: 0.027 mg/kg Fresh water; Short-term: 0.009 mg/l Fresh water; Intermittent release: 0.087 mg/l Marine water; Short-term: 0.001 mg/l Sediment (Freshwater); Short-term: 0.159 mg/kg Sediment (Marinewater); Short-term: 0.016 mg/kg
Eugenol CAS: 97-53-0	DNEL	Workers – Dermal; Long-term systemic effects: 6 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 21.2 mg/m^3 General population – Oral; Long-term systemic effects: 3 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 3 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 5.22 mg/m^3
	PNEC	Soil; Short-term: 0.015 mg/kg Fresh water; Short-term: 1.13 mg/l Fresh water; Intermittent release: 11.3 mg/l Marine water; Short-term: 0.113 mg/l Sediment (Freshwater); Short-term: 0.081 mg/kg Sediment (Marinewater); Short-term: 0.008 mg/kg
Terpineol (Alpha, Beta & Gamma) CAS: 8000-41-7	DNEL	Workers – Dermal; Long-term systemic effects: 6.35 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 44.8 mg/m^3 General population – Oral; Long-term systemic effects: 0.42 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 2.29 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 7.96 mg/m^3
	PNEC	STP; Short-term: 2.57 mg/l

		Soil; Short-term: 0.045 mg/kg Fresh water; Short-term: 12 mg/l Fresh water; Intermittent release: mg/l Marine water; Short-term: 1.2 mg/l Sediment (Freshwater); Short-term: 0.263 mg/kg Sediment (Marinewater); Short-term: 0.026 mg/kg
A Terpinolene CAS: 586-62-9	DNEL	Workers – Dermal; Long-term systemic effects: 0.52 mg/kg, bw/day Workers – Inhalation; Long-term systemic effects: 3.6 mg/m^3 General population – Oral; Long-term systemic effects: 0.26 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 0.26 mg/kg, bw/day General population – Inhalation; Long-term systemic effects: 0.9 mg/m^3
	PNEC	STP; Short-term: 0.2 mg/l Soil; Short-term: 29.1 mg/kg 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 Sediment (Freshwater); Short-term: 14.7 mg/kg Sediment (Marinewater); Short-term: 14.7 mg/kg
Citronellol CAS: 106-22-9	DNEL	Workers – Dermal; Long-term systemic effects: 327.4 mg/kg, bw/day Workers – Dermal; Short-term local effects: 2.950 mg/cm^2 Workers – Inhalation; Long-term systemic effects: 161.6 mg/m^3 Workers – Inhalation; Long-term local effects: 10 mg/m^3 Workers – Inhalation; Short-term local effects: 10 mg/m^3 General population – Oral; Long-term systemic effects: 13.8 mg/kg, bw/day General population – Dermal; Long-term systemic effects: 196.4 mg/kg, bw/day General population – Dermal; Short-term local effects: 2.950 mg/cm^2 General population – Inhalation; Long-term systemic effects: 47.8 mg/m^3 General population – Inhalation; Long-term local effects: 10 mg/m^3 General population – Inhalation; Short-term local effects: 10 mg/m^3
	PNEC	STP; Short-term: 580 mg/l Soil; Short-term: 0.004 mg/kg Fresh water; Short-term: 0.002 mg/l Fresh water; Intermittent release, Short-term: 0.024 mg/l Marine water; Short-term: 0 mg/l Sediment (Freshwater); Short-

		term: 0.026 mg/kg Sediment (Marinewater); Short-term: 0.003 mg/kg
8.2 Exposure controls		
Engineering Measures	Ensure good ventilation of working area. Provide eyewash station	
8.2.2 Personal Protection equipment: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Good personal hygiene procedures should be implemented.		
8.2.2.1 Eye / face protection	Approved safety googles.	
8.2.2.2 Skin Protection		
Hand protection	Chemical resistant gloves (PVC)	
Other skin protection	Wear apron or protective clothing in case of contact.	
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	Yellow	
Appearance	Liquid	
Odour	Characteristic	
Melting Point / freezing point	REACH dossier information. <-20°C	
Boiling point /Initial boiling point & boiling range	REACH dossier information. 94°C	
Flammability		
Lower and upper explosion limit		
Flash point ^{0}C	REACH dossier information. 85.3°C Closed cup. +/-1°C	
Auto- ignition temperature	REACH dossier information. 240°C measured at an atmospheric pressure from 995.6 to 996.1 hPa	
Decomposition temperature		
pH		
Kinematic Viscosity		
Solubility in Water @ 25°C	REACH dossier information. 0.21 to 4364.1 mg/l Water solubility.	
Solubility in other Solvents		
Partition coefficient n-octanol/ water (log value)		
Vapour Pressure @25°C	REACH dossier information. 26.66 Pa	
Vapour Density @20°C	0.8932 to 0.904	

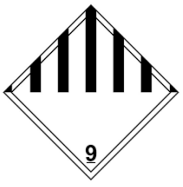
Relative vapour density @20°C	0.8932 to 0.904
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	
Specific gravity d_{20}^{20}	
Optical rotation @ 20^0C	-3.00 to 2.00°C
Refractive index @ 20^0 C	1.483 to 1.490
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	No hazardous reactions if stored and handled as prescribed/ indicated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	None known.
10.4 Conditions to avoid:	Keep away from heat, sparks, and open flame.
10.5 Incompatible Materials:	Strong acids. Strong alkalis. Strong oxidising agents.
10.6 Hazardous Decomposition Products	Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects	No data available.
Acute toxicity:	
Skin corrosion /irritation:	
Seriously eye damage/irritation:	
Respiratory or skin sensitisation:	
Germ cell mutagenicity:	
Carcinogenicity:	
Reproductive toxicity:	
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	

12. Ecological information	
12.1 Toxicity	No data available.
12.2 Persistency & degradability	REACH dossier information. The substance is readily biodegradable.
12.3 Bio accumulative potential	No data available.
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	Recycling is preferred to disposal or burning. Disposal must be made according to official regulations. Must not be disposed together with household waste.
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 contents/ container in accordance with local/ regional/ national/ international regulations.

14. Transport information	
14.1 UN Number or ID number ADR/RID, IMDG, ICAO, AND	3082
14.2 UN proper Shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es) ADR, IMDG, ICAO	9
ADR/RID Classification Code	M6
Transport Labels	
14.4 Packing group	III
14.5 Environmental hazards	Environmentally hazardous substance/ marine pollutant. 
14.6 Special precautions for user Ems	F-A, S-F

ADR Transport Category Emergency Action Code Hazard Identification Number (ADR/RID) Tunnel Restriction Code	3 .3Z 90 (E)
14.7 Maritime transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

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). Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).	
Guidance	CHIP for everyone HSG228	
15.2 Chemical Safety Assessment		
Inventories	EU-EINECS/ ELINCS	Complies
	Canada – DSL/ NDSL	Complies
	US- TSCA	Complies
	US-TSCA 12(b) Export Notification	Not listed
	Australia - AICS	Complies
	Japan - ENCS	Complies
	Korea -KECI	Complies
	China - IECSC	Complies
	Philippines - PICCS	Complies
	New Zealand - NZIOC	Complies
	Taiwan - NECI	Complies

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" (LATA)
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:
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