



SAFETY DATA SHEET

SUPER PROFESSIONAL CONCENTRATED CITRA CLEANSE

Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	SUPER PROFESSIONAL CONCENTRATED CITRA CLEANSE		
Product number	800-122-0002		
Container size	5L		
1.2. Relevant identified uses	of the substance or mixture and uses advised against		
Identified uses Detergent.			
1.3. Details of the supplier of	the safety data sheet		
Supplier	Mirius™ A Coventry Group Company Woodhams Road Siskin Drive Coventry CV3 4FX Tel: +44 (0) 02476 639 739 Fax: +44 (0) 02476 639 717 Email: sales@mirius.com		
Contact person	For content of safety data sheet:, sds@mirius.com		
1.4. Emergency telephone number			
1.4. Emergency telephone nu	mber		
1.4. Emergency telephone nu Emergency telephone	mber +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)		
Emergency telephone	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human		
Emergency telephone National emergency telephon	 +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 		
Emergency telephone National emergency telephon number	 +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation 		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008)	 +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture 		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture Not Classified		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture Not Classified Eye Irrit. 2 - H319		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture Not Classified		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards 2.2. Label elements	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture Not Classified Eye Irrit. 2 - H319		
Emergency telephone National emergency telephon number SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment) e In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 eation tance or mixture Not Classified Eye Irrit. 2 - H319		

Hazard statements	EUH208 Contains LIMONENE. May produce an allergic reaction. H319 Causes serious eye irritation. 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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Detergent labelling	< 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% perfumes, Contains d- LIMONENE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures			
2-(2-BUTOXYETHOXY)ETHANOL			5-10%
CAS number: 112-34-5	EC number: 203-961-6	REACH registration number: 01- 2119475104-44-xxxx	
Classification Eye Irrit. 2 - H319			
ALCOHOLS, C12-14, ETHOXYLATED			1-5%
CAS number: 68439-50-9	EC number: 500-213-3	REACH registration number: 01- 2119487984-16-XXXX	
M factor (Acute) = 1			
Classification Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412			
LIMONENE			<1%
CAS number: 5989-27-5	EC number: 227-813-5		
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/5 R10 R43 Xi;R38 N	548/EEC or 1999/45/EC) ;R50/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid me General information	Provide eyewash station.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical
	attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.
4.2. Most important symptoms	and effects, both acute and delayed
General information	Provide eyewash station.
Ingestion	May cause irritation. Stomach pain. Sore throat. Diarrhoea.
Skin contact	May cause an allergic skin reaction. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage. Risk of serious damage to eyes.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	No specific recommendations.
SECTION 5: Firefighting meas	sures
SECTION 5: Firefighting meas	sures
	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
5.1. Extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
5.1. Extinguishing media Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising free Hazardous combustion 	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides
5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising free Hazardous combustion products	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides
5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising fro Hazardous combustion products 5.3. Advice for firefighters Protective actions during	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.
 <u>5.1. Extinguishing media</u> Suitable extinguishing media <u>5.2. Special hazards arising free</u> Hazardous combustion products <u>5.3. Advice for firefighters</u> Protective actions during firefighting Special protective equipment 	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising free Hazardous combustion products 5.3. Advice for firefighters Protective actions during firefighting Special protective equipment for firefighters SECTION 6: Accidental release 	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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 <u>5.1. Extinguishing media</u> Suitable extinguishing media <u>5.2. Special hazards arising free</u> Hazardous combustion products <u>5.3. Advice for firefighters</u> Protective actions during firefighting Special protective equipment for firefighters <u>SECTION 6: Accidental release</u> <u>6.1. Personal precautions, production</u> 	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Te measures tective equipment and emergency procedures For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.
 <u>5.1. Extinguishing media</u> Suitable extinguishing media <u>5.2. Special hazards arising free</u> Hazardous combustion products <u>5.3. Advice for firefighters</u> Protective actions during firefighting Special protective equipment for firefighters <u>SECTION 6: Accidental release</u> <u>6.1. Personal precautions, propersonal precautions</u> 	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder. om the substance or mixture Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Te measures tective equipment and emergency procedures For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.

4.1. Description of first aid measures

Methods for cleaning up	Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.	
6.4. Reference to other section	<u>IS</u>	
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.	
SECTION 7: Handling and stor	age	
7.1. Precautions for safe handl	ing	
Usage precautions	Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.	
Advice on general occupational hygiene	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.	
7.2. Conditions for safe storage	e, including any incompatibilities	
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
7.3. Specific end use(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	
SECTION 8: Exposure controls	s/Personal protection	
8.1. Control parameters		
Occupational exposure limits 2-(2-BUTOXYETHOXY)ETHAN	NOL	
	ur TWA): WEL 10 ppm 67.5 mg/m³ ninute): WEL 15 ppm 101.2 mg/m³ mit	
	2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)	
DNEL	Workers - Inhalation; Long term systemic effects: 67.5 mg/m³ Workers - Inhalation; Long term local effects: 67.5 mg/m³ Workers - Dermal; Long term systemic effects: 20 mg/kg/day	

General population - Inhalation; Long term systemic effects: 34 mg/m³

General population - Inhalation; Long term local effects: 34 mg/m³

General population - Inhalation; Short term local effects: 34 mg/m³ General population - Inhalation; Short term local effects: 50.6 mg/m³ General population - Dermal; Long term systemic effects: 10 mg/kg/day General population - Oral; Long term systemic effects: 1.25 mg/kg/day

PNEC

- Fresh water; 1 mg/l
 - marine water; 0.1 mg/l
 - Intermittent release; 3.9 mg/l
 - STP; 200 mg/l
 - Sediment (Freshwater); 4 mg/kg
 - Sediment (Marinewater); 0.4 mg/kg
 - Soil; 0.4 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

DNEL	Workers - Inhalation; Long term systemic effects: 294 mg/m³ Workers - Dermal; Long term systemic effects: 2080 mg/kg/day General population - Inhalation; Long term systemic effects: 87 mg/m³ General population - Dermal; Long term systemic effects: 1250 mg/kg/day General population - Oral; Long term systemic effects: 25 mg/kg/day	
PNEC	- Fresh water; 0.0437 mg/l - Intermittent release; 0.004 mg/l - STP; 10 mg/l - Sediment (Freshwater); 31 mg/kg - Sediment (Marinewater); 31 mg/kg - Soil; 1 mg/kg	
	LIMONENE (CAS: 5989-27-5)	
DNEL	Workers - Inhalation; Long term systemic effects: 66.7 mg/m ³ Workers - Dermal; Long term systemic effects: 9.5 mg/kg/day General population - Inhalation; Long term systemic effects: 16.6 mg/m ³ General population - Dermal; Long term systemic effects: 4.8 mg/kg/day General population - Oral; Long term systemic effects: 4.8 mg/kg/day	
PNEC	- Fresh water; 0.014 mg/l - marine water; 0.00014 mg/l - STP; 1.8 mg/l - Sediment (Freshwater); 3.85 mg/kg - Sediment (Marinewater); 0.385 mg/kg - Soil; 0.763 mg/kg	
8.2. Exposure controls		
Protective equipment		
Appropriate engineering controls	Provide adequate ventilation.	
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, gloves should comply with European Standard EN374.	
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.	
Hygiene measures	When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.	

Respiratory protection	Respiratory protection not required.
Environmental exposure	Avoid releasing into the environment.
controls	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance Liquid. Colour Orange. Odour Orange pН pH (concentrated solution): 10.5-11.5 Not determined. Melting point Initial boiling point and range Not determined. Flash point Not determined. **Evaporation rate** Not determined. Flammability (solid, gas) Not applicable. Upper/lower flammability or Not determined. explosive limits Vapour pressure Not determined. Vapour density Not determined. 1.010 @ 20°C Relative density Solubility(ies) Soluble in water. Partition coefficient No information available. Auto-ignition temperature No information available. **Decomposition Temperature** No information available. Viscosity Not determined. **Explosive properties** There are no chemical groups present in the product that are associated with explosive properties. Explosive under the influence Not considered to be explosive. of a flame Oxidising properties There are no chemical groups present in the product that are associated with oxidising properties. Comments Information given is applicable to the product as supplied. 9.2. Other information Other information Not relevant. SECTION 10: Stability and reactivity 10.1. Reactivity Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.		
10.3. Possibility of hazardous reactions			
Possibility of hazardous reactions	Not applicable.		
10.4. Conditions to avoid			
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.		
10.5. Incompatible materials			
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.		
10.6. Hazardous decomposition	on products		
Hazardous decomposition products	No known hazardous decomposition products.		
SECTION 11: Toxicological in	formation		
11.1. Information on toxicologi	cal effects		
Toxicological effects	Information given is based on data of the components and of similar products.		
Acute toxicity - oral Notes (oral LD₅o)	Based on available data the classification criteria are not met.		
<u>Acute toxicity - dermal</u> Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.		
Acute toxicity - inhalation			
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.		
Skin corrosion/irritation Skin corrosion/irritation	Not classified. Based on available data the classification criteria are not met.		
Serious eye damage/irritation Serious eye damage/irritation	Causes serious eye irritation.		
Respiratory sensitisation Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.		
Skin sensitisation Skin sensitisation	May cause an allergic skin reaction.		
Germ cell mutagenicity Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.		
Carcinogenicity Carcinogenicity	Does not contain any substances known to be carcinogenic.		
Reproductive toxicity Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.		
Specific target organ toxicity -	single exposure		
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.		
Specific target organ toxicity -	repeated exposure		
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.		

Aspiration h Aspiration h		Based or	n available data the classification criteria are not met.	
General info	ormation	This prod	luct has low toxicity.	
-		-	se irritation. Symptoms following overexposure may include the following: Stomach usea, vomiting. Diarrhoea.	
_		Dryness	d or repeated exposure may cause the following adverse effects: Irritation. Redness. and/or cracking. Mild dermatitis, allergic skin rash. May cause an allergic skin	
•		-	to eyes. A single exposure may cause the following adverse effects: Severe irritation, tearing and blurred vision.	
Toxicologica	al information on ingr	redients.		
			2-(2-BUTOXYETHOXY)ETHANOL	
	Acute toxicity - derr	mal		
	Acute toxicity derm mg/kg)	al (LD₅₀	2,764.0	
	Species		Rabbit	
	ATE dermal (mg/kg	J)	2,764.0	
			ALCOHOLS, C12-14, ETHOXYLATED	
	Acute toxicity - oral			
	Acute toxicity oral (mg/kg)	LD ₅₀	2,000.1	
	Species		Rat	
	Notes (oral LD₅₀)		Based on available data the classification criteria are not met. REACH dossier information.	
	ATE oral (mg/kg)		2,000.1	
	Acute toxicity - der	mal		
	Acute toxicity derm mg/kg)	al (LD₅₀	2,000.1	
	Species		Rat	
	Notes (dermal LD₅₀))	Based on available data the classification criteria are not met. REACH dossier information.	
	ATE dermal (mg/kg	J)	2,000.1	
	Acute toxicity - inha	alation		
	Notes (inhalation L	C50)	Based on available data the classification criteria are not met. REACH dossier information.	
	Skin corrosion/irrita	ition		
	Skin corrosion/irrita	ation	Based on available data the classification criteria are not met. REACH dossier information.	
	Corious ave domas	/imitatio		

Serious eye damage/irritation

SUPER PROFESSIONAL CONCENTRATED CITRA CLEANSE

	Serious eye damage/irritation	Causes serious eye damage.
	Respiratory sensitisation	
	Respiratory sensitisation	No information available.
	Skin sensitisation	
	Skin sensitisation	Based on available data the classification criteria are not met. REACH dossier information.
	Germ cell mutagenicity	
	Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.
	Reproductive toxicity	
	Reproductive toxicity - fertility	Based on available data the classification criteria are not met. REACH dossier information.
	Specific target organ toxicit	y - single exposure
	STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
	Specific target organ toxicit	y - repeated exposure
	STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
SECTION 12	2: Ecological information	
Ecotoxicity	Harmful	to aquatic life with long lasting effects. Calculation method.
12.1. Toxicit	У	
Toxicity	There are	e no data on the ecotoxicity of this product.
Ecological ir	nformation on ingredients.	
		2-(2-BUTOXYETHOXY)ETHANOL
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: >100 mg/l, Daphnia magna
		ALCOHOLS, C12-14, ETHOXYLATED
	Acute aquatic toxicity	
	LE(C)50	0.1 < L(E)C50 ≤ 1
	M factor (Acute)	1
	Acute toxicity - fish	LC₅₀, 96 hours: 0.876 mg/l, Fish REACH dossier information.
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.39 mg/l, Daphnia magna REACH dossier information.
	Chronic aquatic toxicity	
	Chronic toxicity - fish early life stage	EC ₂₀ , 30 days: 1.09 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.

Chronic toxicity - aquatic	NOEC, 21 days: 0.77 mg/l, Daphnia magna
invertebrates	

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED

Biodegradation	The substance is readily biodegradable.
	REACH dossier information.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED

Bioaccumulative potential No potential for bioaccumulation.

12.4. Mobility in soil

Mobility

The product is water-soluble and may spread in water systems.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED

Adsorption/desorption - Log Koc: 3.7-4.5 @ °C REACH dossier information. coefficient

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current EU criteria. assessment

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not discharge into drains or watercourses or onto the ground.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		
National regulations	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).	
EU legislation	 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) (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. Commission Regulation (EU) No 2015/830 of 28 May 2015. 	
Guidance	Workplace Exposure Limits EH40. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets. COSHH Essentials. Technical Guidance WM2: Hazardous Waste.	

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information		
Abbreviations and acronyms used in the safety data sheet	 DNEL: Derived No Effect Level. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. 	
Revision comments	New revision number applied to comply with Commission Regulation (EU) No 2015/830 Of 28 May 2015' NOTE: Lines within the margin indicate significant changes from the previous revision.	
Revision date	12/02/2019	
Revision	1	
SDS number	22014	
Hazard statements in full	 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. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains LIMONENE. May produce an allergic reaction. 	

This information 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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.