



## SAFETY DATA SHEET

#### 10L SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY LIQUID L5

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of th	SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier			
Product name	10L SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY LIQUID L5		
Product number	800-249-0002 L5		
Container size	10 litres		
UFI	UFI: U8W4-7K6M-8N7V-QXXY		
1.2. Relevant identified uses o	f the substance or mixture and uses advised against		
Identified uses	Detergent.		
Uses advised against	Not for Oral Consumption. Do not use for personal cleansing. Use only for intended applications.		
1.3. Details of the supplier of the	he safety data sheet		
Supplier	Mirius <sup>™</sup> A Coventry Group Company Woodhams Road Siskin Drive Coventry CV3 4FX Coventry Chemicals (Ireland) Limited 4th Floor 8-34 Percy Place Dublin 4 Ireland 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 nur	1.4. Emergency telephone number		
Emergency telephone	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)		
National emergency telephone number	<ul> <li>UK:</li> <li>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</li> <li>Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre (01 8092166)</li> </ul>		
SECTION 2: Hazards identification	ation		

2.1. Classification of the substance or mixture Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	
Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	<ul> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> <li>P310 Immediately call a POISON CENTER/ doctor.</li> <li>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water or shower.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P501 Dispose of contents/ container in accordance with local regulations.</li> </ul>
Contains	C12-14-ALKYL ETHER SULFATES, ALCOHOLS, C12-14, ETHOXYLATED
Detergent labelling	5 - < 15% anionic surfactants, < 5% non-ionic surfactants, < 5% optical brighteners, < 5% perfumes, < 5% polycarboxylates, Contains 2-Bromo-2-nitropropane-1, 3-diol
Supplementary precautionary statements	P102 Keep out of reach of children. P363 Wash contaminated clothing before reuse.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >0.1% published by the European Chemicals Agency (ECHA) under article 57 of the REACH regulation (as amended). This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

C12-14 ALKYL ETHER SULFATES		5-10%
CAS number: 68891-38-3	EC number: 500-234-8	
Classification		
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		

ALCOHOLS, C12-14, ETHOXYLATED		1-5%
CAS number: 68439-50-9	EC number: 500-213-3	
Classification		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
SODIUM CARBONATE		1-5%
CAS number: 497-19-8	EC number: 207-838-8	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	Xi;R36	
BRONOPOL (INN)		<1%
CAS number: 52-51-7	EC number: 200-143-0	
M factor (Acute) = 10		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R21/22 Xi;R37/38,R41 N;R50	
Acute Tox. 4 - H312		
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
The Full Text for all R-Phrases and Haz	ard Statements are Displayed in Section 16.	
SECTION 4: First aid measures		
4.1. Description of first aid measures		
General information Provide	evewash station.	

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	s and effects, both acute and delayed
General information	Provide eyewash station.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported.

Skin contact	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 immediat	e medical attention and special treatment needed	
Notes for the doctor	No specific recommendations.	
SECTION 5: Firefighting meas	ures	
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.	
5.2. Special hazards arising fro	om the substance or mixture	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.	
5.3. Advice for firefighters		
Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION 6: Accidental release measures		
6.1. Personal precautions, prot	ective equipment and emergency procedures	
Personal precautions	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.	
6.2. Environmental precautions		
Environmental precautions	Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.	
6.3. Methods and material for o	containment and cleaning up	
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>8</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 storage		
7.1. Precautions for safe hand	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 control	s/Personal protection
8.1. Control parameters	
	C12-14 ALKYL ETHER SULFATES (CAS: 68891-38-3)
DNEL	Workers - Inhalation; Long term systemic effects: 175 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Consumer - Inhalation; Long term systemic effects: 52 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day Consumer - Oral; Long term systemic effects: 15 mg/kg/day
PNEC	<ul> <li>Fresh water; 0.24 mg/l</li> <li>marine water; 0.024 mg/l</li> <li>Intermittent release; 0.071 mg/l</li> <li>Sediment, Fresh water; 0.917 mg/kg</li> <li>Sediment, marine water; 0.092 mg/kg</li> <li>Soil; 7.5 mg/kg</li> <li>STP; 10,000 mg/l</li> </ul>
	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	<ul> <li>Fresh water; 0.0437 mg/l</li> <li>Intermittent release; 0.004 mg/l</li> <li>STP; 10 mg/l</li> <li>Sediment (Freshwater); 31 mg/kg</li> <li>Sediment (Marinewater); 31 mg/kg</li> <li>Soil; 1 mg/kg</li> </ul>
	SODIUM CARBONATE (CAS: 497-19-8)
DNEL	Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup> General population - Inhalation; Long term local effects: 10 mg/m <sup>3</sup>
	BRONOPOL (INN) (CAS: 52-51-7)

DNEL	Workers - Inhalation; Long term systemic effects: 4.1 mg/m <sup>3</sup> Workers - Inhalation; Short term systemic effects: 12.3 mg/m <sup>3</sup> Workers - Inhalation; Long term local effects: 4.2 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day Workers - Dermal; Short term systemic effects: 7 mg/kg/day Workers - Dermal; Long term local effects: 0.013 mg/cm <sup>2</sup> Workers - Dermal; Short term local effects: 0.013 mg/cm <sup>2</sup> General population - Inhalation; Long term systemic effects: 1.2 mg/m <sup>3</sup> General population - Inhalation; Short term systemic effects: 1.3 mg/m <sup>3</sup> General population - Inhalation; Long term local effects: 1.3 mg/m <sup>3</sup> General population - Inhalation; Short term local effects: 1.3 mg/m <sup>3</sup> General population - Inhalation; Short term local effects: 1.4 mg/kg/day General population - Dermal; Long term systemic effects: 4.2 mg/kg/day General population - Dermal; Long term systemic effects: 1.4 mg/kg/day General population - Dermal; Short term systemic effects: 4.2 mg/kg/day General population - Dermal; Short term local effects: 0.008 mg/cm <sup>2</sup> General population - Dermal; Short term local effects: 0.008 mg/cm <sup>2</sup> General population - Dermal; Short term local effects: 0.35 mg/kg/day General population - Oral; Long term systemic effects: 1.1 mg/kg/day
PNEC 8.2. Exposure controls	<ul> <li>Fresh water; 0.01 mg/l</li> <li>marine water; 0.008 mg/l</li> <li>Intermittent release; 0.0025 mg/l</li> <li>STP; 0.43 mg/l</li> <li>Sediment (Freshwater); 0.041 mg/kg</li> <li>Sediment (Marinewater); 0.00328 mg/kg</li> <li>Soil; 0.5 mg/kg</li> </ul>
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 that provides appropriate eye and face protection should be worn.
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, wear gloves that are proven to be impervious to the chemical and resist degradation. A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.
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	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 che	SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties			
Appearance	Liquid.		
Colour	Light blue.		
Odour	Perfumed.		
Odour threshold	Not applicable.		
рН	pH (concentrated solution): 8-10		
Melting point	Not determined.		
Initial boiling point and range	Not determined but expected to be >90 Degrees C.		
Flash point	This product is not flammable.		
Evaporation rate	Not applicable.		
Evaporation factor	Not applicable.		
Flammability (solid, gas)	Not flammable. This product does not sustain combustion.		
Upper/lower flammability or explosive limits	Not applicable.		
Other flammability	Not applicable.		
Vapour pressure	Not applicable.		
Vapour density	Not applicable.		
Relative density	1.060		
Bulk density	Not applicable.		
Solubility(ies)	Soluble in water.		
Partition coefficient	Not technically possible for a mixture.		
Auto-ignition temperature	Not applicable.		
Decomposition Temperature	Not applicable.		
Viscosity	100-350 @ 20°C		
Explosive properties	Not applicable		
Explosive under the influence of a flame	Not considered to be explosive.		
Oxidising properties	Not applicable.		
Comments	Information given is applicable to the product as supplied.		
9.2. Other information			
Other information	Not relevant.		
Refractive index	14-16		
SECTION 10: Stability and reactivity			

10.1. Reactivity

Reactivity	Under normal storage conditions this product is stable.	
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 LD₅₀)	Based on available data the classification criteria are not met.	
ATE oral (mg/kg)	15,037.59	
Acute toxicity - dermal Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - inhalation Notes (inhalation LC₅₀)	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 damage. Calculation method.	
Respiratory sensitisation Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.	
Skin sensitisation Skin sensitisation	Not classified. Based on available data the classification criteria are not met.	
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.	
General information	This product has low toxicity.	
Ingestion	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.	
Skin contact	Skin irritation should not occur when used as recommended. Prolonged or repeated exposure may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild dermatitis, allergic skin rash.	
Eye contact	Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and blurred vision. Corneal damage.	
11.2 Information on other hazards		
11.2.1. Endocrine disrupting properties	This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).	
11.2.2 Other information	None known	
SECTION 12: Ecological information		
Ecotoxicity	There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.	
12.1. Toxicity		
Toxicity	Not considered toxic to fish.	
12.2. Persistence and degrad	ability	
Persistence and degradability	The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).	
12.3. Bioaccumulative potentia	al	
Bioaccumulative potential	No data available on bioaccumulation.	
Partition coefficient	Not technically possible for a mixture.	
12.4. Mobility in soil		
Mobility	The product is water-soluble and may spread in water systems.	
12.5. Results of PBT and vPv	B assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
12.6. Endocrine disrupting properties		
Endocrine disrupting properties	This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).	
12.6. Other adverse effects		
Other adverse effects	None known.	

13.1. Waste treatment methods

## 10L SUPER PROFESSIONAL NON BIOLOGICAL LAUNDRY LIQUID L5

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. Normal use solutions are expected to be flushed to sewers. 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 Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
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). EH40/2005 Workplace exposure limits. The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as	
	amended).	

The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).

The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

#### EU legislation

	European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)
	European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and
	Restriction of Chemicals (REACH) (as amended)
	European Regulation (EC) No 648/2004 on detergents (as amended)
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	NOTE: Lines within the margin indicate significant changes from the previous revision. Review of SDS with no change of classification. Note: Finished product SDS take their revision history from the parent bulk liquid SDS. The revision data will show that of the parent liquid.
Revision date	22/03/2024
Revision	3
Supersedes date	12/06/2017
SDS number	20513
Hazard statements in full	<ul> <li>H302 Harmful if swallowed.</li> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H335 May cause respiratory irritation.</li> <li>H400 Very toxic to aquatic life.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>

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.