

SUPER LAUNDRY SHEETS - Fresh Linen L11

Creation date	10th October 2024	Version	2.0
Revision date	20th November 2024		

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Substance / mixture Super Laundry sheets FRESH LINEN L11 mixture
Product Code 800-299-0051

UFI: 8JET-Y7EW-S00H-5DJT, SUPER laundry sheets FRESH LINEN L11

1.2. Relevant identified uses of the substance or mixture and uses advised against Mixture's intended use**Main intended use**

PC-DET-1.2 Laundry detergents - household use

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet**Supplier**

Name or trade name	MIRIUS™ A Coventry Group Company Woodham Road, Siskin Drive,
Address	Coventry CV34FX
	Coventry Chemicals (Ireland) Limited 4th Floor, 8-34 Percy Place
	Dublin 4, Ireland
Phone	+44 (0) 02476 639 739
E-mail	sales@mirius.com

Competent person responsible for the safety data sheet

Name	Mirius™ A Coventry Group Company
E-mail	sds@mirius.com

1.4 Emergency telephone number +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)**1.5 National emergency telephone Number**

UK:

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

Ireland: For information or to

report a poisoning incident contact The National Poisons Information Centre (01 8092166)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Skin Irrit. 2, H315
Eye Dam. 1, H318
Aquatic Chronic 3, H412**Most serious adverse effects on human health and the environment**

Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements**Hazard pictogram****Signal word**

Danger

Hazardous substances

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Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
 Alcohols, C12-14, ethoxylated, sulfates, sodium salts
 Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear eye 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.
 P310 Immediately call a doctor.
 P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

Supplemental information

EUH208 Contains linalool, (E)-2-benzylideneoctanal. May produce an allergic reaction.
 15-<30 % anionic surfactants, 5-<15 % non-ionic surfactants

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components. Dust may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 85586-07-8 EC: 287-809-4 Registration number: 01-2119489463-28	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	30-40	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 20 % Eye Irrit. 2, H319: 10 % ≤ C < 20 %	
CAS: 68891-38-3 EC: 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	10-15	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 10 % Eye Irrit. 2, H319: 5 % ≤ C < 10 %	
CAS: 68155-07-7 EC: 268-935-9 Registration number: 01-2119490100-53-XXXX	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	5-10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
Index: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4	linalool	0.0505-0.101	Skin Sens. 1B, H317	
CAS: 165184-98-5 EC: 639-566-4	(E)-2-benzylideneoctanal	0.0505-0.101	Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	
CAS: 101-84-8 EC: 202-981-2	diphenyl-ether	0.0202-0.0505	Eye Irrit. 2, H319 Aquatic Chronic 2, H411	1



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SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Do not rub your eyes – it could lead to mechanical damage of the cornea. Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

Inhaling dust can cause corrosion of the breathing system.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

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- 6.2. Environmental precautions**
Prevent contamination of the soil and entering surface or ground water.
- 6.3. Methods and material for containment and cleaning up**
Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.
- 6.4. Reference to other sections**
See the Section 7, 8 and 13.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**
Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.
- 7.2. Conditions for safe storage, including any incompatibilities**
Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.
- 7.3. Specific end use(s)**
not available

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters**
The mixture contains substances for which occupational exposure limits are set.

European Union	Commission Directive (EU) 2017/164	
Substance name (component)	Type	Value
diphenyl-ether (CAS: 101-84-8)	OEL 8 hours	7 mg/m ³
	OEL 8 hours	1 ppm
	OEL 15 minutes	14 mg/m ³
	OEL 15 minutes	2 ppm

DNEL

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	73.4 mg/m ³	Chronic effects systemic
Workers	Dermal	4.16 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	0.0936 mg/cm ²	Chronic effects local
Consumers	Inhalation	21.73 mg/m ³	Chronic effects systemic
Consumers	Dermal	2.5 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	0.0562 mg/cm ²	Chronic effects local
Consumers	Oral	6.25 mg/kg bw/day	Chronic effects systemic

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	285 mg/m ³	Chronic effects systemic
Workers	Dermal	4060 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	85 mg/m ³	Chronic effects systemic
Consumers	Dermal	2440 mg/kg bw/day	Chronic effects systemic
Workers	Oral	24 mg/kg bw/day	Chronic effects systemic

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PNEC

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	
Route of exposure	Value
Freshwater environment	0.007 mg/l
Marine water	0.0007 mg/l
Water (intermittent release)	0.024 mg/l
Microorganisms in sewage treatment	830 mg/l
Freshwater sediment	0.195 mg/kg
Sea sediments	0.0195 mg/kg
Soil (agricultural)	0.0348 mg/kg

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	
Route of exposure	Value
Drinking water	0.102 mg/l
Marine water	0.01 mg/l
Water (intermittent release)	0.036 mg/l
Freshwater sediment	3.58 mg/kg
Sea sediments	0.358 mg/kg

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Use a mask with anti-dust filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
color intensity	light
Odour	without fragrance
Melting point/freezing point	data not available
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	<5 °C
Amides, C8-18 and C18-unsatd., N,N- bis(hydroxyethyl) (CAS: 68155-07-7)	-7 °C
Boiling point or initial boiling point and boiling range	data not available
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	<100 °C

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Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	>100 °C
Flammability	non-inflammable
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	non-inflammable
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	non-inflammable
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	>100 °C
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	188 °C
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)	>302 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	6-7 (1% solution at 20 °C)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	7.5-9 (10% solution at 20 °C)
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	9-10.5 (1% solution)
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)	9-11 (1% solution at 20 °C)
Kinematic viscosity	data not available
Solubility in water	easily dissolvable in cold water
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	soluble
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	soluble
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)	soluble
Partition coefficient n-octanol/water (log value)	data not available
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)	0.3
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	3.75
Vapour pressure	data not available
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	0.0139 hPa at 20 °C
Density and/or relative density	data not available
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07-7)	1.01 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	solid
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (CAS: 85586-07-8)	solid: particulate/powder

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available



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10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

Laundry detergent sheets FRESH LINEN							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		5036 mg/kg				Calculation of value

Alcohols, C12-14, ethoxylated, sulfates, sodium salts							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	2870 mg/kg		Rat (Rattus norvegicus)		
Oral	LD ₅₀	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)		
Oral	NOAEL	OECD 408	>225 mg/kg		Rat (Rattus norvegicus)		
Dermal	NOAEL		0.397 mg/cm ²				

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Dermal	LD ₅₀		>2000 mg/kg		Rabbit		
Oral	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)		

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		1895 mg/kg				Calculation of value
Oral	LD ₅₀	EU B.1 bis	1800 mg/kg bw		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	OECD 402	>2000 mg/kg bw		Rat (Rattus norvegicus)		



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Skin corrosion/irritation

Causes skin irritation.

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts				
Route of exposure	Result	Method	Exposure time	Species
Dermal	Irritating	OECD 404		

Irritation

Alcohols, C12-14, ethoxylated, sulfates, sodium salts					
Route of exposure	Result	Method	Exposure time	Species	Value determination
Skin	Irritating	OECD 404			Expert opinion
Eye	Serious eye damage	OECD 405			Expert opinion

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
Route of exposure	Result	Method	Exposure time	Species	Value determination
Eye	Highly irritating			Rabbit	
Dermal	Irritating			Rabbit	

Serious eye damage/irritation

Causes serious eye damage.

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts				
Route of exposure	Result	Method	Exposure time	Species
Eye	Serious eye damage	OECD 405		

Respiratory or skin sensitisation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Sensitization

Alcohols, C12-14, ethoxylated, sulfates, sodium salts						
Route of exposure	Result	Method	Exposure time	Species	Sex	Value determination
Dermal	Not sensitizing	OECD 406				Expert opinion

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts						
Route of exposure	Result	Method	Exposure time	Species	Sex	Value determination
Skin	No effect	OECD 406				

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

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Reproductive toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
Effect	Parameter	Value	Result	Species	Sex
	NOAEL	1000 mg/kg bw/day		Rat (Rattus norvegicus)	

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)						
Route of exposure	Parameter	Value	Exposure time	Result	Species	Sex
Oral	NOAEL	750 mg/kg bw/day	28 hours		Rat (Rattus norvegicus)	
Dermal	NOAEL	50 mg/kg bw/day			Rat	

Repeated dose toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL		OECD 408	300 mg/kg bw/day		Rat (Rattus norvegicus)	
Dermal	NOAEL			195 mg/kg bw/day		Mouse	

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL		OECD 408	488 mg/kg bw/day		Rat (Rattus norvegicus)	
Oral	NOAEL		OECD 411	400 mg/kg bw/day		Mouse	

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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Acute toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	7.1 mg/l	96 hours	Fish (Brachydanio rerio)	
EC ₅₀	OECD 202	7.4 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀		12 mg/l	72 hours	Algae (Selenastrum capricornutum)	
EC ₅₀	OECD 201	27.7 mg/l	72 hours	Algae (Scenedesmus subspicatus)	

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		2.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
LC ₅₀		4.9 mg/l	96 hours	Fish (Brachydanio rerio)	
EC ₅₀		3.2 mg/l	48 hours	Aquatic invertebrates (Daphnia magna)	
EC ₅₀		3.9 mg/l	72 hours	Algae (Scenedesmus subspicatus)	
NOEC		0.3 mg/l	72 hours	Algae (Scenedesmus subspicatus)	
EC ₅₀		6 g/l	72 hours	Microorganisms (Pseudomonas putida)	

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	3.6 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	OECD 202	4.7 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀	EU C.1 (92/69/EEC)	20 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

Chronic toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC	OECD 215	0.14 mg/l	28 days	Fish (Oncorhynchus mykiss)	
NOEC	OECD 211	0.27 mg/l	21 days	Daphnia (Daphnia magna)	
NOEC	OECD 201	0.95 mg/l	72 hours	Algae (Scenedesmus subspicatus)	

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC		0.32 mg/kg	28 days	Fish (Oncorhynchus mykiss)	

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Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
Parameter	Method	Value	Exposure time	Species	Environment
LOEC		1 mg/kg	28 days	Fish (Oncorhynchus mykiss)	
LOEC		0.07 mg/l	21 days	Invertebrates (Daphnia magna)	

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC	OECD 210	>1.357 mg/l	42 days	Fish (Pimephales promelas)	
NOEC		0.508 mg/l	72 days	Aquatic invertebrates (Ceriodaphnia dubia)	

12.2. Persistence and degradability

Data for the mixture are not available. The mixture is biodegradable.

Biodegradability

Alcohols, C12-14, ethoxylated, sulfates, sodium salts						
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301D	82.5 %			Biodegradable	

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)						
Parameter	Method	Value	Exposure time	Environment	Result	Source
		72.4 %				

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts						
Parameter	Method	Value	Exposure time	Environment	Result	Source
					Easily biodegradable	
	OECD 301D	90.8 %				EMPLA 67/2007

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	
Parameter	Value

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Not available.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH208	Contains linalool, (E)-2-benzylideneoctanal. May produce an allergic reaction.
H302	Harmful if swallowed.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear eye 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.
P310	Immediately call a doctor.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations



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UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.