

Product name: **SOLUBILISER CLEAR+ MB**

# SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:**  
SOLUBILISER CLEAR+ MB

**Chemical name:**  
Mixture of solubilizers

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Industrial use

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet

Company Name : AROMA TRADING LIMITED  
Unit 3 Quatro Park,  
Tanners Drive, Milton  
Keynes, MK14 5FJ,  
ENGLAND

Telephone : +44 (0) 1908 334100

Fax : +44 (0) 1908 211376

E-mail : sales@aromatrading.com

### 1.4 Emergency telephone number:

National Response Centre: NHS DIRECT

England, Scotland and Wales: NHS: [+44 111](tel:+44111)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567**

#### Health Hazards

Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.

### 2.2 Label Elements

**Product name: SOLUBILISER CLEAR+ MB**



**Signal Words:** Danger

**Hazard Statement(s):**  
 H318: Causes serious eye damage.  
 H317: May cause an allergic skin reaction.

**Precautionary Statements**

**Prevention:**  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 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 POISON CENTER or doctor/ physician.

**Hazardous ingredients which must be listed on the label:**

D-Glucopyranose, oligomeric, decyl octyl glycosides  
 Octanoic acid, monoester with glycerol

**2.3 Other hazards**

**PBT/vPvB data**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

**Chemical name:**

Mixture of solubilizers

**3.2 Mixtures**

Chemical name	Concentration	CAS-No.	EC No.	UK-REACH Registration No.	REACH Registration No.	M-Factor:	Notes
D-Glucopyranose, oligomeric, decyl octyl glycosides	50 - <100%	68515-73-1	500-220-1		01-211948853-0-36	No data available.	
l-Glutamic acid, N-coco acyl derivs., monosodium	10 - <20%	68187-32-6	269-087-2	-	01-211997635-9-19	No data available.	

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m salts							
Octanoic acid, monoester with glycerol	5 - <10%	26402-26-6	247-668-1	-	01-212011977 3-55	No data available.	
Citric acid	1 - <5%	77-92-9	201-069-1	-	01-211945702 6-42	No data available.	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

## This substance is listed as SVHC.

**Classification**

Chemical name	Classification	Notes
D-Glucopyranose, oligomeric, decyl octyl glycosides	Classification: Eye Dam.: 1: H318;  Supplemental label information: None known.	None.
l-Glutamic acid, N-coco acyl derivs., monosodium salts	Classification: Eye Irrit.: 2: H319;  Supplemental label information: None known.	None.
Octanoic acid, monoester with glycerol	Classification: Skin Irrit.: 2: H315; Eye Irrit.: 2: H319; Skin Sens.: 1: H317;  Supplemental label information: None known.	None.
Citric acid	Classification: Eye Irrit.: 2: H319; STOT SE: 3: H335;  Supplemental label information: None known.	None.

The full text for all H-statements is displayed in section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

<b>General information:</b>	Remove soiled or soaked clothing immediately
<b>Inhalation:</b>	fresh air supply, consult a doctor if feeling unwell.
<b>Skin Contact:</b>	In case of contact with skin wash off immediately with soap and water In case of discomfort: Supply with medical care.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
<b>Ingestion:</b>	Thoroughly clean the mouth with water Do NOT induce vomiting. In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

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

<b>Symptoms:</b>	Risk of serious damage to eyes.
<b>Hazards:</b>	No data available.

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#### 4.3 Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** High volume water jet.

#### 5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

#### 5.3 Advice for firefighters

**Special fire fighting procedures:** Vapours of the product are heavier than air. Vapours may form explosive mixtures with air.

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition.

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

**6.2 Environmental Precautions:** Prevent product from getting into subsoil/soil. Do not allow to enter drains or waterways

**6.3 Methods and material for containment and cleaning up:** Dispose of absorbed material in accordance with the regulations. Absorb with liquid-binding material, e. g.: diatomaceous earth, sand, universal binder

**6.4 Reference to other sections:** For further information on exposure monitoring and disposal see sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

**Technical measures:** No data available.

**Local/Total ventilation:** No data available.

**Safe handling advice:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care.

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**Contact avoidance measures:** No data available.

**7.2 Conditions for safe storage, including any incompatibilities**

**Safe storage conditions:** Keep away from oxidizing agents and strongly acid or alkaline materials. Keep container tightly closed and in a well-ventilated place. Protect from heat and direct sunlight. Do not store < 5 °C. Maximum storage temperature: 30 °C

**Safe packaging materials:** No data available.

**Storage Temperature:** 5 - 30 °C

**7.3 Specific end use(s):** No further recommendations.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**DNEL-Values**

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
D-Glucopyranose, oligomeric, decyl octyl glycosides	General population	Oral	Systemic, long-term; 35.7 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 420 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 124 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 357000 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 595000 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 0.321 mg/m3	Repeated dose toxicity
l-Glutamic acid, N-coco acyl derivs., monosodium salts	Workers	Dermal	Systemic, long-term; 0.282 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.069 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 0.08 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0.563 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
Octanoic acid, monoester with glycerol	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
Citric acid	General population	Eyes	Local effect;	Low hazard (no threshold derived)
	Workers	Eyes	Local effect;	Low hazard (no threshold derived)

**PNEC-Values**

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
D-Glucopyranose, oligomeric, decyl octyl glycosides	Predator	111.11 mg/kg	Oral

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	Aquatic (freshwater)	0.176 mg/l	
	Soil	0.654 mg/kg	Soil
	Aquatic (marine water)	0.018 mg/l	
	Sediment (marine water)	0.152 mg/kg	
	Sewage treatment plant	560 mg/l	
	Sediment (freshwater)	1.516 mg/kg	
I-Glutamic acid, N-coco acyl derivs., monosodium salts	Soil	23.545 mg/kg	Soil
	Aquatic (marine water)	27 µg/l	
	Sediment (marine water)	0.133 mg/kg	
	Soil	0.108 mg/kg	Soil
	Sediment (freshwater)	1.33 mg/kg	
	Aquatic (freshwater)	0.27 mg/l	
	Sewage treatment plant	243.313 mg/l	
	Aquatic (freshwater)	0.123 mg/l	
	Sediment (freshwater)	100.65 mg/kg	
	Aquatic (marine water)	0.012 mg/l	
	Predator	1.393 mg/kg	Oral
	Sediment (marine water)	100.65 mg/kg	
Octanoic acid, monoester with glycerol	Soil	0.061 mg/kg	
Citric acid	Sediment (freshwater)	34.6 mg/kg	
	Sewage treatment plant	1000 mg/l	
	Aquatic (marine water)	0.044 mg/l	
	Soil	33.1 mg/kg	
	Sediment (marine water)	3.46 mg/kg	
	Aquatic (freshwater)	0.44 mg/l	

**8.2 Exposure controls**

**Appropriate Engineering Controls:** No data available.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Protective goggles; wear additional face protection if risk is increased.

**Hand Protection:** Additional Information: The protective gloves to be worn must satisfy the specifications of Regulation (EU) 2016/425 and the resulting Standard EN374., Specific workplace situations must be considered separately.

**Skin and Body Protection:** protective clothing

**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

**Hygiene measures:** When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

**Environmental Controls:** The environmental regulations on the control and monitoring of environmental exposures are to be observed.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:** liquid  
**Form:** viscous  
**Color:** Yellow  
**Odor:** Characteristic

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<b>Odor Threshold:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	not measured
<b>Flammability:</b>	not measured
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	not measured
<b>Explosive limit - lower:</b>	not measured
<b>Flash Point:</b>	not measured
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	not measured
<b>pH:</b>	5 - 5.5 Concentration: 100 g/l Concentration: 10 %
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	< 15,000 mPa.s
<b>Kinematic viscosity:</b>	not measured
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	not measured
<b>Solubility (other):</b>	not measured
<b>Dissolution Rate:</b>	No data available No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Dispersion Stability:</b>	No data available No data available
<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	not measured
<b>Density:</b>	1 g/cm <sup>3</sup> at 20 °C
<b>Relative vapor density:</b>	not measured
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available
<b>Particle Size Distribution:</b>	No data available
<b>Dustiness:</b>	No data available
<b>Specific surface area:</b>	No data available.
<b>Surface charge/Zeta potential:</b>	No data available
<b>Shape:</b>	No data available
<b>Crystallinity:</b>	No data available
<b>Surface treatment:</b>	No data available

**9.2 Other information**

<b>Explosive properties:</b>	Not applicable
<b>Oxidizing properties:</b>	Not applicable

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<b>Self-ignition:</b>	not measured
<b>Metal Corrosion:</b>	No data available.
<b>Evaporation Rate:</b>	not measured

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	see section "Possibility of hazardous reactions".
<b>10.2 Chemical Stability:</b>	The product is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Exothermic reaction with: Strong bases. strong oxidants Strong acids.
<b>10.4 Conditions to avoid:</b>	To avoid thermal decomposition, do not overheat.
<b>10.5 Incompatible Materials:</b>	Unknown
<b>10.6 Hazardous Decomposition Products:</b>	May be released in case of fire: carbon monoxide and carbon dioxide.

**SECTION 11: Toxicological information**

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

**Information on likely routes of exposure**

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

**Acute toxicity (list all possible routes of exposure)**

**Oral**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	LD 50, Rat, Female, Male, > 2,000 mg/kg, OECD 423 Not toxic after single exposure, No classification
l-Glutamic acid, N-coco acyl derivs., monosodium salts	Not toxic after single exposure, No data available.
Octanoic acid, monoester with glycerol	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401
Citric acid	LD 50, Mouse, 5,400 mg/kg, OECD 401 LD 50, Rat, 11,700 mg/kg, OECD 401

**Dermal**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl	LD 50, Rabbit, Female, Male, > 2,000 mg/kg, OECD 402



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glycosides	
I-Glutamic acid, N-coco acyl derivs., monosodium salts	Not toxic after single exposure, No data available.
Octanoic acid, monoester with glycerol	Not toxic after single exposure, No data available.
Citric acid	LD 50, Rat, Female, Male, > 2,000 mg/kg, OECD 402, No deaths observed. Not toxic after single exposure, No classification

**Inhalation**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	Vapour, Not toxic after single exposure, Not applicable Dust and mist, Not toxic after single exposure, No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	Not toxic after single exposure, Vapour, No data available. Not toxic after single exposure, Dust and mist, No data available.
Octanoic acid, monoester with glycerol	Dust and mist, Not toxic after single exposure, No data available. Vapour, Not toxic after single exposure, Not applicable
Citric acid	Vapour, Not toxic after single exposure, Not applicable Dust and mist, Not toxic after single exposure, No data available.

**Repeated dose toxicity**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Skin Corrosion/Irritation**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	Not irritating, OECD 404, Rabbit
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	Irritating, OECD 439, Human, in vitro reconstructed epidermis
Citric acid	Not irritating, OECD 404, Rabbit

**Serious Eye Damage/Eye Irritation**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	Risk of serious damage to eyes.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	Irritating.

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Octanoic acid, monoester with glycerol	Irritating, Expert judgement
Citric acid	Irritating., OECD 405, Rabbit

**Respiratory or Skin Sensitization**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	in vitro assay, OECD 442 D, May cause sensitization by skin contact. Human Cell Line Activation test (h-CLAT), OECD 442 E, May cause sensitization by skin contact.
Citric acid	Skin sensitization:, Guinea Pig, Not a skin sensitizer. sensitizing to the respiratory tract:, No data available.

**Carcinogenicity**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	Not classified
Citric acid	Not classified

**Germ Cell Mutagenicity**

No data available.

**In vitro**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	gene mutation test, OECD 471: , negative Chromosomal aberration, OECD 487: , positive

**In vivo**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.

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Octanoic acid, monoester with glycerol	No data available.
Citric acid	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative Chromosomal aberration, dominant lethal test, Oral, Rat, Female, Male, negative

**Reproductive toxicity**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	Not classified
Citric acid	Not classified

**Specific Target Organ Toxicity - Single Exposure**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	Not classified
Citric acid	Inhalation, Respiratory organs, Category 3 with respiratory tract irritation., May cause respiratory irritation.

**Specific Target Organ Toxicity - Repeated Exposure**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	Not classified
Citric acid	Not classified

**Aspiration Hazard**

<b>Product:</b>	Not classified
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	Not applicable
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.

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Octanoic acid, monoester with glycerol	Not applicable
Citric acid	Not applicable

**11.2 Information on other hazards**

**Other information**

**Product:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	LC 50, Danio rerio, 96 h, 100.81 mg/l ISO 7346/1-3
l-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	LC 50, Leuciscus idus (Golden orfe), 96 h, 440 - 706 mg/l DIN 38412

**Aquatic Invertebrates**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	EC 50, Daphnia magna, 48 h, > 100 mg/l OECD 202 NOEC, Daphnia magna, 48 h, 100 mg/l OECD 202
l-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	EC 50, Daphnia magna, 72 h, Approximate, 120 mg/l

**Toxicity to Aquatic Plants**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose, oligomeric, decyl octyl glycosides	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 37 mg/l (DIN 38412)
l-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
<b>Components:</b>	
D-Glucopyranose,	EC 50, Pseudomonas putida, 6 h, > 560 mg/l

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oligomeric, decyl octyl glycosides	
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	EC0, Pseudomonas putida, 3 h, > 10,000 mg/l, DIN 38412

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid,	No data available.

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monoester with glycerol  
Citric acid No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

I-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

Octanoic acid, monoester with glycerol No data available.

Citric acid No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides EC 50, Pseudomonas putida, 6 h, > 560 mg/l

I-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

Octanoic acid, monoester with glycerol No data available.

Citric acid EC0, Pseudomonas putida, 3 h, > 10,000 mg/l, DIN 38412

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

I-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

Octanoic acid, monoester with glycerol No data available.

Citric acid No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

I-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

Octanoic acid, monoester with glycerol No data available.

Citric acid No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** The product is easily biodegradable.

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**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	100 %, 28 d, OECD 301 E, The product is easily biodegradable., aerobic
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	85.3 %, 28 d, OECD 301 F, The product is easily biodegradable., aerobic
Citric acid	> 98 %, 2 d, The product is easily biodegradable.

**12.3 Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	1.71, 25 °C
Citric acid	-1.64

**12.4 Mobility in soil:**

**Product** No data available.

**Components:**

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**12.5 Results of PBT and vPvB assessment:**

**Product** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Components:**

**Product name: SOLUBILISER CLEAR+ MB**

D-Glucopyranose, oligomeric, decyl octyl glycosides	Non-classified vPvB substance, Non-classified PBT substance
I-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
Octanoic acid, monoester with glycerol	No data available.
Citric acid	No data available.

**12.6 Other adverse effects:**

**Other hazards**

**Product:** Do not allow to enter soil, waterways or waste water canal.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

<b>General information:</b>	No data available.
<b>Disposal methods:</b>	In accordance with local authority regulations, take to special waste incineration plant
<b>Contaminated Packaging:</b>	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

**SECTION 14: Transport information**

**14.1 UN/ID No.**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**SECTION 15: Regulatory information**

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

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:** Not applicable



**Product name: SOLUBILISER CLEAR+ MB**

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**SECTION 16: Other information**

**Abbreviations and acronyms:**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Key literature references and sources for data:** No data available.

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

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
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**Product name: SOLUBILISER CLEAR+ MB**

Serious eye damage, Category 1	On basis of test data
Skin sensitizer, Category 1	On basis of test data

**Wording of the statements in section 2 and 3**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Training information:** Comply with national laws regulating employee instruction.

**Revision Information** This version replaces all previous versions.

**Disclaimer:** The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive.  
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