

## Suma Light D1.2

Revision: 2025-03-27

Version: 07.1

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

#### 1.1 Product identifier

**Trade name:** Suma Light D1.2

UFI: TUF4-60NX-V004-ADR3

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

**Product use:** Dish wash product.  
For professional use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_8a\_2

AISE\_SWED\_PW\_19\_1

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

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssenbroeksedijk 2, 3542DN Utrecht], The Netherlands

#### Contact details

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: customerservice.uk@solenis.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)  
For medical or environmental emergency only:  
call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Eye irritation, Category 2 (H319)

#### 2.2 Label elements



**Signal word:** Warning.

#### Hazard statements:

H319 - Causes serious eye irritation.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
sodium alkylbenzenesulphonate	290-656-6	90194-45-9	[1]	Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		3-10

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Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	[4]	68585-34-2	[4]	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)	3-10
bronopol (INN)	200-143-0	52-51-7	01-211998093 8-15	Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Dermal, Category 4 (H312) Specific target organ toxicity - Single exposure, Category 3 (H335) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 1 M=10 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)	0.01-0.1

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
<b>Ingestion:</b>	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.

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

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	No known effects or symptoms in normal use.
<b>Eye contact:</b>	Causes severe irritation.
<b>Ingestion:</b>	No known effects or symptoms in normal use.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

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

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Measures to prevent fire and explosions:

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No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advice on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

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

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Biological limit values, if available:

**Recommended monitoring procedures, if available:**

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values****Human exposure**

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

<b>Ingredient(s)</b>	<b>Short term - Local effects</b>	<b>Short term - Systemic effects</b>	<b>Long term - Local effects</b>	<b>Long term - Systemic effects</b>
sodium alkylbenzenesulphonate	-	-	-	0.425
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	-	1.1	-	0.35

DNEL/DMEL dermal exposure - Worker

<b>Ingredient(s)</b>	<b>Short term - Local effects</b>	<b>Short term - Systemic effects (mg/kg bw)</b>	<b>Long term - Local effects</b>	<b>Long term - Systemic effects (mg/kg bw)</b>
sodium alkylbenzenesulphonate	No data available	-	No data available	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	0.013 mg/cm <sup>2</sup> skin	7	0.013 mg/cm <sup>2</sup> skin	2.3

DNEL/DMEL dermal exposure - Consumer

<b>Ingredient(s)</b>	<b>Short term - Local effects</b>	<b>Short term - Systemic effects (mg/kg bw)</b>	<b>Long term - Local effects</b>	<b>Long term - Systemic effects (mg/kg bw)</b>
sodium alkylbenzenesulphonate	No data available	-	No data available	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	0.008 mg/cm <sup>2</sup> skin	4.2	0.008 mg/cm <sup>2</sup> skin	1.4

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

<b>Ingredient(s)</b>	<b>Short term - Local effects</b>	<b>Short term - Systemic effects</b>	<b>Long term - Local effects</b>	<b>Long term - Systemic effects</b>
sodium alkylbenzenesulphonate	-	-	-	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	4.2	12.3	4.2	4.1

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

<b>Ingredient(s)</b>	<b>Short term - Local effects</b>	<b>Short term - Systemic effects</b>	<b>Long term - Local effects</b>	<b>Long term - Systemic effects</b>
sodium alkylbenzenesulphonate	-	-	-	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	1.3	3.7	1.3	1.2

**Environmental exposure**

Environmental exposure - PNEC

<b>Ingredient(s)</b>	<b>Surface water, fresh</b>	<b>Surface water, marine</b>	<b>Intermittent (mg/l)</b>	<b>Sewage treatment</b>
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	(mg/l)	(mg/l)		plant (mg/l)
sodium alkylbenzenesulphonate	-	-	-	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	0.01	0.0008	0.0025	0.43

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
sodium alkylbenzenesulphonate	-	-	-	-
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available	No data available	No data available	No data available
bronopol (INN)	0.041	0.00328	0.5	-

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.  
If available, please refer to the product information sheet for application and handling instructions.  
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

## REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual transfer and dilution	AISE_SWED_PW_8a_2	PW	PROC 8a	60	ERC8a

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321).  
**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (% w/w):** 0.5

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

## REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration (min)	ERC
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

## Personal protective equipment

**Eye / face protection:** No special requirements under normal use conditions.  
**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

## Method / remark

**Physical state:** Liquid  
**Colour:** Clear , Green  
**Odour:** Product specific  
**Odour threshold:** Not applicable

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**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product  
 See substance data

## Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
sodium alkylbenzenesulphonate	No data available		
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available		
bronopol (INN)	No data available		

## Method / remark

**Flammability (solid, gas):** Not applicable to liquids

**Flammability (liquid):** Not flammable.

**Flash point (°C):** Not determined

**Sustained combustion:** Not applicable.

( UN Manual of Tests and Criteria, section 32, L.2 )

**Lower and upper explosion limit/flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

## Method / remark

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** ≈ 6 (neat)

**Dilution pH:** ≈ 7 (0.5 %)

**Kinematic viscosity:** Not determined

**Solubility in / Miscibility with water:** Fully miscible

ISO 4316

ISO 4316

DM-006 Viscosity - Standard

## Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
sodium alkylbenzenesulphonate	No data available		
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available		
bronopol (INN)	280	Method not given	23

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

## Method / remark

**Vapour pressure:** Not determined

See substance data

## Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
sodium alkylbenzenesulphonate	No data available		
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available		
bronopol (INN)	0.0051	OECD 104 (EU A.4)	20

## Method / remark

**Relative density:** ≈ 1.03 (20 °C)

**Relative vapour density:** -

**Particle characteristics:** No data available.

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

## 9.2 Other information

## 9.2.1 Information with regard to physical hazard classes

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising.

**Corrosion to metals:** Not corrosive

## 9.2.2 Other safety characteristics

No other relevant information available.

## SECTION 10: Stability and reactivity

## 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

## 10.2 Chemical stability

Stable under normal storage and use conditions.

## 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Mixture data: .**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

**Eye irritation and corrosivity****Result:** Eye irritant 2**Method:** Weight of evidenceSubstance data, where relevant and available, are listed below:.**Acute toxicity**

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
sodium alkylbenzenesulphonate	LD <sub>50</sub>	> 1470	Rat	OECD 401 (EU B.1)		1470
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LD <sub>50</sub>	> 2000	Rat	OECD 401 (EU B.1)		Not established
bronopol (INN)	LD <sub>50</sub>	305	Rat	OECD 401 (EU B.1)		305

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
sodium alkylbenzenesulphonate		No data available				Not established
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LD <sub>50</sub>	> 2000	Rat	OECD 402 (EU B.3)		Not established
bronopol (INN)	LD <sub>50</sub>	> 2000	Rat	OECD 402 (EU B.3)		Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available			
bronopol (INN)	LC <sub>50</sub>	≥ 0.588 (dust)	Rat	Method not given	4

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
sodium alkylbenzenesulphonate	Not established	Not established	Not established	Not established
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Not established	Not established	Not established	Not established
bronopol (INN)	Not established	Not established	Not established	Not established

**Irritation and corrosivity**

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	Irritant	Rabbit	OECD 404 (EU B.4)	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Irritant	Rabbit	OECD 404 (EU B.4)	
bronopol (INN)	Irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	Severe damage	Rabbit	OECD 405 (EU B.5)	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Severe damage	Rabbit	OECD 405 (EU B.5)	
bronopol (INN)	Severe damage	Rabbit	Method not given	

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## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			
bronopol (INN)	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6)	
bronopol (INN)	Not sensitising	Guinea pig	OECD 406 (EU B.6)	

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			
bronopol (INN)	No data available			

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
sodium alkylbenzenesulphonate	No data available		No data available	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available		No data available	
bronopol (INN)	No evidence for mutagenicity, negative test results	Method not given	No data available	

## Carcinogenicity

Ingredient(s)	Effect
sodium alkylbenzenesulphonate	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available
bronopol (INN)	No data available

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
sodium alkylbenzenesulphonate			No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)			No data available				
bronopol (INN)			No data available				No adverse effects observed

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium alkylbenzenesulphonate		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	NOAEL	No data available	Rat	OECD 408 (EU B.26)	90	
bronopol (INN)		No data available				

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium alkylbenzenesulphonate		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				
bronopol (INN)		No data available				

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## Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium alkylbenzenesulphonate		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				
bronopol (INN)		No data available				

## Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
sodium alkylbenzenesulphonate			No data available					
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)			No data available					
bronopol (INN)			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
sodium alkylbenzenesulphonate	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available
bronopol (INN)	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
sodium alkylbenzenesulphonate	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available
bronopol (INN)	Respiratory tract

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

## Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

## 11.2 Information on other hazards

## 11.2.1 Endocrine disrupting properties

Endocrine disrupting properties - Human data, if available:

## 11.2.2 Other information

No other relevant information available.

## SECTION 12: Ecological information

## 12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

## Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	LC <sub>50</sub>	1.67	<i>Lepomis macrochirus</i>	EPA-OPPTS 850.1075	96
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LC <sub>50</sub>	> 1 - 10	<i>Brachydanio rerio</i>	OECD 203, flow-through	96
bronopol (INN)	LC <sub>50</sub>	11	<i>Lepomis macrochirus</i>	OPP 72-1, static (EPA)	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	EC <sub>50</sub>	1.62	<i>Daphnia magna</i> Straus		48
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC <sub>50</sub>	> 1 - 10	<i>Daphnia magna</i> Straus	OECD 202, static	48



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bronopol (INN)	EC <sub>50</sub>	1.08	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
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## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	EC <sub>50</sub>	29	<i>Selenastrum capricornutum</i>		96
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC <sub>50</sub>	> 1 - 10		OECD 201, static	72
bronopol (INN)	EC <sub>50</sub>	0.25	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
sodium alkylbenzenesulphonate		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available			
bronopol (INN)		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
sodium alkylbenzenesulphonate		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC <sub>10</sub>	> 10000	<i>Pseudomonas putida</i>		
bronopol (INN)	EC <sub>20</sub>	2	Activated sludge	OECD 209	150 minute(s)

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium alkylbenzenesulphonate	NOEC	> 2.5-1		Method not given		
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	NOEC	0.12	<i>Oncorhynchus mykiss</i>	Method not given	28 day(s)	
bronopol (INN)	EC <sub>50</sub>	> 10-100	<i>Oncorhynchus mykiss</i>	OECD 210	49 day(s)	

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium alkylbenzenesulphonate		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				
bronopol (INN)	EC <sub>50</sub>	0.06	<i>Daphnia magna</i>	OECD 211, flow-through	21 day(s)	

## Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
sodium alkylbenzenesulphonate		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				
bronopol (INN)		No data available				

## Terrestrial toxicity

## Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
bronopol (INN)	LD <sub>50</sub>	> 500	<i>Eisenia fetida</i>	OECD 207	14	

## Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

## 12.2 Persistence and degradability

### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
bronopol (INN)	No data available	OECD 111	Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

### Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
sodium alkylbenzenesulphonate	Activated sludge, aerobe	CO <sub>2</sub> production	85% in 29 day(s)	OECD 301B	Readily biodegradable
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Activated sludge, aerobe	CO <sub>2</sub> production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
bronopol (INN)	Activated sludge, aerobe		70-80%	OECD 301B	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
sodium alkylbenzenesulphonate	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			
bronopol (INN)	0.18	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
sodium alkylbenzenesulphonate	No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available				
bronopol (INN)	3.167		QSAR	No bioaccumulation expected	

## 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
sodium alkylbenzenesulphonate	No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available				
bronopol (INN)	No data available				

## 12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

## 12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

## 12.7 Other adverse effects

No other adverse effects known.

# SECTION 13: Disposal considerations

## Suma Light D1.2

**13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.  
20 01 29\* - detergents containing dangerous substances.

**European Waste Catalogue:****Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

**14.1 UN number or ID number:** Non-dangerous goods

**14.2 UN proper shipping name:** Non-dangerous goods

**14.3 Transport hazard class(es):** Non-dangerous goods

**14.4 Packing group:** Non-dangerous goods

**14.5 Environmental hazards:** Non-dangerous goods

**14.6 Special precautions for user:** Non-dangerous goods

**14.7 Maritime transport in bulk according to IMO instruments:** Non-dangerous goods

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**Ingredients according to Detergents Regulation**

anionic surfactants

5 - 15 %

2-Bromo-2-Nitropropane-1,3-Diol, perfumes

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Comah - classification:** Not classified

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MSDS3436

**Version:** 07.1

**Revision:** 2025-03-27

**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 3, 4, 8, 9, 11, 12

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Abbreviations and acronyms:**

**Suma Light D1.2**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H335 - May cause respiratory 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.

**End of Safety Data Sheet**