SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : TOILET RIM BLOCK 5 IN 1 OCEAN NICOLS
Product code : 511495.
UFI : JV0E-J2R7-WU3C-TC5D

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

Detergents WC - No specific use outside the identified use for cleaning WC bowls

1.3. Details of the supplier of the safety data sheet

Registered company name : NICOLS France Sarl.
Address : 2, allée des Erables.59980.Bertry.France.
Telephone : +33327765926 - 9:00-17:00. Fax : +33327765627.
regulatory.affairs@nicols.eu

1.4. Emergency telephone number : .

Association/Organisation : .
Not available

Other emergency numbers

UK: Medical Helpline – NHS, phone : 111; Australia: NSW Poisons Information Centre The Children's Hospital at Westmead Locked Bag 4001 Westmead, NSW 2145 Australia : 13 11 26; Nicols (9:00-17:00) : +32 67875101

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).
Serious eye damage, Category 1 (Eye Dam. 1, H318).
May produce an allergic reaction (EUH208).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS05

Signal Word :
DANGER
Product identifiers :

EC 931-534-0	SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE)
EC 270-115-0	BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL

BENZENESULFONATE)

Additional labeling :

EUH208 Contains 2,4-DIMETHYL-3-CYCLOHEXENE-1-CARBOXALDEHYDE (2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE). May produce an allergic reaction.

EUH208 Contains (E)-1-(2,6,6-TRIMETHYL-1-CYCLOHEX-3-ENYL)BUT-2-EN-1-ONE (DELTA-DAMASCONE). May produce an allergic reaction.

Hazard statements :

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P264 Wash hands thoroughly after handling.

Precautionary statements - Response :

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

Do not ingest.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 68439-57-6 EC: 931-534-0 REACH: 01-2119513401-57 SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE)	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		10 <= x % < 25
CAS: 68411-30-3 EC: 270-115-0 REACH: 01-2119489428-22 BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE)	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 <= x % < 10
CAS: 1317-65-3 EC: 215-279-6 CALCIUM CARBONATE		[1]	2.5 <= x % < 10
CAS: 68039-49-6 EC: 268-264-1 REACH: 01-2119982384-28 2,4-DIMETHYL-3-CYCLOHEXENE-1-CARBOXALDEHYDE (2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE)	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411		0 <= x % < 1
CAS: 57378-68-4 EC: 260-709-8 (E)-1-(2,6,6-TRIMETHYL-1-CYCLOH	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315		0 <= x % < 1

EX-3-ENYL)BUT-2-EN-1-ONE (DELTA-DAMASCONE)	Skin Sens. 1A, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 68439-57-6 EC: 931-534-0 REACH: 01-2119513401-57 SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE)	Skin Irrit. 2: H315 >=5% Eye Dam. 1: H318 C>= 38% Eye Irrit. 2: H319 5% <= C < 38%	inhalation: ATE = 0.052 mg/l (dust/mist) dermal: ATE = 6300 mg/kg BW oral: ATE = 2079 mg/kg BW
CAS: 68411-30-3 EC: 270-115-0 REACH: 01-2119489428-22 BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE)		oral: ATE = 404 mg/kg BW
CAS: 68039-49-6 EC: 268-264-1 REACH: 01-2119982384-28 2,4-DIMETHYL-3-CYCLOHEXENE-1-CARBOXALDEHYDE (2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE)		oral: ATE = 3900 mg/kg BW
CAS: 57378-68-4 EC: 260-709-8 (E)-1-(2,6,6-TRIMETHYL-1-CYCLOHEX-3-ENYL)BUT-2-EN-1-ONE (DELTA-DAMASCONE)		oral: ATE = 1600 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No acute effects have been identified other than any that may be mentioned in section 2.

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

In case of accident or unwellness, seek medical advice immediately and see section 4.1 for first aid measures.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :
- sprayed water or water mist
- carbon dioxide (CO2)
- powder
- foam

Unsuitable methods of extinction

In the event of a fire, do not use :
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus and with standard protective clothes to fight chemical fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

See section 8 and 13.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool place

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

Detergents WC - No specific use outside the identified use for cleaning WC bowls : see section 1.2

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
1317-65-3	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1317-65-3	4 mg/m3				

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 170 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 12 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.85 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 85 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 3 mg of substance/m3

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 2158.33 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 15.22 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 12.95 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1295 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.
DNEL : 45.04 mg of substance/m3

Predicted no effect concentration (PNEC):

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)
Environmental compartment: Fresh water.
PNEC : 0.268

Environmental compartment: Sea water.
PNEC : 0.0268

Environmental compartment: Intermittent waste water.
PNEC : 0.0167

Environmental compartment: Fresh water sediment.
PNEC : 8.1

Environmental compartment: Waste water treatment plant.
PNEC : 3.43

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)
Environmental compartment: Soil.
PNEC : 1.21 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.024 mg/l

Environmental compartment: Sea water.
PNEC : 0.002 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.02 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.767 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.077 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 4 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
Prescription glasses are not considered as protection.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

- Body protection

Avoid skin contact.
Wear suitable protective clothing.

Suitable type of protective clothing :
Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1/A1 to prevent skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid inhaling dust.
Type of FFP mask :
Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	
Physical state :	Solid.
Colour	
Color:	Blue
Odour	
Odour threshold :	Not relevant.
Odour:	Caracteristic
Melting point	
Melting point/melting range :	165.2°C / 166.2°C
	Method for determining the melting point :
	Method A.1 (Melting/Freezing temperature) as described in Part A of the Annex to Regulation (EC)No 440/2008
	ASTM E 537-76 (Standard method for assessing the thermal stability of chemicals by methods of differential thermal analysis).
Freezing point	
Freezing point / Freezing range :	Not relevant.
Boiling point or initial boiling point and boiling range	
Boiling point/boiling range :	Not relevant.
Flammability	
Flammability (solid, gas) :	Not relevant.
Lower and upper explosion limit	
Explosive properties, lower explosivity limit (%) :	Not relevant.
Explosive properties, upper explosivity limit (%) :	Not relevant.
Flash point	
Flash point interval :	Not relevant.
Auto-ignition temperature	
Self-ignition temperature :	Not relevant.
Decomposition temperature	
Decomposition point/decomposition range :	Not relevant.
pH	
pH (aqueous solution) :	6.0 / 11.0 @1%
pH :	Not relevant.
Kinematic viscosity	
Viscosity :	Not relevant.
Solubility	
Water solubility :	Soluble.
Fat solubility :	*
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not relevant.
Vapour pressure	
Vapour pressure (50°C) :	Not relevant.
Density and/or relative density	
Density :	1.55 / 1.75
Relative vapour density	
Vapour density :	Not relevant.

Particle characteristics

Particle size :	Not relevant.

9.2. Other information

No additional data available

9.2.1. Information with regard to physical hazard classes

No additional data available

9.2.2. Other safety characteristics

No additional data available

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

Mixture not reactive in normal conditions of storage and use.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No incompatible dangerous reactions known.

10.4. Conditions to avoid

Avoid :
- formation of dusts

Dusts can form an explosive mixture with air.
Avoid the heating of the mixture.

10.5. Incompatible materials

No incompatible raw materials identified.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.
Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

Acute toxicity :

(E)-1-(2,6,6-TRIMETHYL-1-CYCLOHEX-3-ENYL)BUT-2-EN-1-ONE (DELTA-DAMASCONE) (CAS: 57378-68-4)

Oral route :	LD50 = 1600 mg/kg bodyweight/day
Dermal route :	LD50 > 5000 mg/kg bodyweight/day
Inhalation route (Vapours) :	LC50 > 100 mg/l Duration of exposure : 4 h

2,4-DIMETHYL-3-CYCLOHEXENE-1-CARBOXALDEHYDE (2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE) (CAS: 68039-49-6)

Oral route :	LD50 = 3900 mg/kg bodyweight/day
Dermal route :	LD50 > 5000 mg/kg bodyweight/day
Inhalation route (Vapours) :	LC50 > 100 mg/l Duration of exposure : 4 h

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

Oral route :	LD50 = 404 mg/kg bodyweight/day Species : Rat

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Oral route :	LD50 = 2079 mg/kg bodyweight/day Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 = 6300 mg/kg bodyweight/day Species : Rabbit OECD Guideline 402 (Acute Dermal Toxicity)
Inhalation route (Dusts/mist) :	LC50 = 0.052 mg/m3 Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/skin irritation :

No data available.

Serious damage to eyes/eye irritation :

No data available.

Respiratory or skin sensitisation :

No data available.

Germ cell mutagenicity :

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

No mutagenic effect.

Carcinogenicity :

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

No toxic effect for reproduction

Specific target organ systemic toxicity - single exposure :

No data available.

Specific target organ systemic toxicity - repeated exposure :

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

Oral route : C = 125 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 28 days

Aspiration hazard :

No data available.

11.1.2. Mixture

Acute toxicity :

Not relevant

Skin corrosion/skin irritation :

Not relevant

Serious damage to eyes/eye irritation :

Not relevant

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

Germ cell mutagenicity :

Not relevant

Carcinogenicity :

Not relevant

Reproductive toxicant :

Not relevant

Specific target organ systemic toxicity - single exposure :

Not relevant

Specific target organ systemic toxicity - repeated exposure :

Not relevant

Aspiration hazard :

Not relevant

Information on likely routes of exposure

Not relevant.

Symptoms related to the physical, chemical and toxicological characteristics

Not relevant.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Not relevant.

Interactive effects

Not relevant.

Absence of specific data

Not relevant.

Mixtures

Not relevant.

Mixture versus substance information

Not relevant.

11.2. Information on other hazards

See section 2.3

Endocrine disrupting properties

See section 2.3

Other information

See section 2.3

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)

Fish toxicity :	LC50 = 1.67 mg/l Species : Lepomis macrochirus Duration of exposure : 96 h
	NOEC = 0.23 mg/l
Crustacean toxicity :	EC50 = 2.9 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	NOEC > 1 mg/l

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)

Fish toxicity :	LC50 = 4.2 mg/l Species : Danio rerio Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 4.53 mg/l Species : Ceriodaphnia dubia Duration of exposure : 48 h
	NOEC = 2.42 mg/l Species : Daphnia magna Duration of exposure : 21 days
Algae toxicity :	ECr50 = 1.97 mg/l Species : Skeletonema costatum Duration of exposure : 72 h

NOEC = 1.2 mg/l

12.1.2. Mixtures

No test performed on the mixture

12.2. Persistence and degradability

The surfactants contained in the product correspond to the direction on the environmental compatibility of detergents and are biodegradable.

12.2.1. Substances

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)
Biodegradability : Rapidly degradable.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)
Biodegradability : Rapidly degradable.

12.2.2. Mixtures

No test performed on the mixture

12.3. Bioaccumulative potential

12.3.1. Substances

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS (SODIUM C10-13 ALKYL BENZENESULFONATE) (CAS: 68411-30-3)
Octanol/water partition coefficient : log Koe = 3.32

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS (SODIUM C14-16 OLEFIN SULFONATE) (CAS: 68439-57-6)
Octanol/water partition coefficient : log Koe = -1.3

Bioaccumulation : BCF = 70.8

12.3.2. Mixtures

No test performed on the mixture

12.4. Mobility in soil

No test performed on the mixture.

12.5. Results of PBT and vPvB assessment

See section 2.3

12.6. Endocrine disrupting properties

See section 2.3

12.7. Other adverse effects

No test performed on the mixture.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number or ID number

Exempt from transport classification and labelling.

-

14.2. UN proper shipping name

-

Exempt from transport classification and labelling.

14.3. Transport hazard class(es)

Exempt from transport classification and labelling.

-

14.4. Packing group

Exempt from transport classification and labelling.

-

14.5. Environmental hazards

Exempt from transport classification and labelling.

-

14.6. Special precautions for user

Exempt from transport classification and labelling.

-

14.7. Maritime transport in bulk according to IMO instruments

Exempt from transport classification and labelling.

-

SECTION 15: Regulatory information

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

Packaging directive 94/62/EC and its adaptations.

Particular provisions :

General consumer safety directive 2001/95/EC

Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- 15 % or over but less than 30 % : anionic surfactants
- less than 5 % : non-ionic surfactants
- perfumes
- preservatives

potassium sorbate

sodium benzoate

15.2. Chemical safety assessment

Evaluation not achieved yet by ingredient suppliers, according to Reach Regulation.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

The information given correspond to the knowledge we have on the date mentioned on this document.

Wording of the phrases mentioned in section 3 :

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.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
NOEC : The concentration with no observed effect.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
UFI : Unique formulation identifier.
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TMP : French Occupational Illness table
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
GHS05 : Corrosion
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.
* : Not stated.