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 : VIVOG SHAMP. SPECIAL CHIOTS 20L
Product code : 1004104
UFI : Y02X-F59N-FV0F-QS1V

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

Identified uses relevant : Pet shampoo
Uses advised against : Uses other than those identified relevant **Use**

descriptor system (REACH) :

PC 35 : Washing and cleaning (including the solvent-based products)

1.3. Details of the supplier of the safety data sheet Registered

company name : VIVOG SAS

Address : 10 rue de la Mairie 37390 CHANCEAUX-SUR-CHOISILLE FRANCE

Telephone : +33 (0)2 47 73 38 38

infos@vivog.fr

www.vivog.fr

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : ORFILA / INRS.

Other emergency numbers

United Kingdom emergency telephone number : 999 European

emergency call : 112

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Eye irritation, Category 2 (Eye Irrit. 2, H319).

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 :

GHS07

Signal Word :

WARNING

Additional labeling :

EUH208 Contains MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1). May produce an allergic reaction.

Hazard statements :

H319 Causes serious eye irritation.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
Precautionary statements - Prevention :	
P264	Wash hands thoroughly after handling.
Precautionary statements - Response :	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

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 59 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.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 68891-38-3 EC: 500-234-8 REACH: 01-2119488639-16 ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 <= x % < 10
CAS: 97862-59-4 EC: 931-296-8 REACH: 01-2119488533-30 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIM ETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS	GHS05 Dgr Eye Dam. 1, H318		0 <= x % < 2.5
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE	GHS07 Wng Eye Irrit. 2, H319	[i]	0 <= x % < 2.5
INDEX: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27 SODIUM HYDROXIDE	GHS05 Dgr Skin Corr. 1A, H314	[i]	0 <= x % < 2.5
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE	GHS07 Wng Eye Irrit. 2, H319	[i]	0 <= x % < 2.5
INDEX: 607-158-00-5 CAS: 3926-62-3 EC: 223-498-3 SODIUM SALT OF CHLOROACETIC ACID	GHS06, GHS09 Dgr Acute Tox. 3, H301 Skin Irrit. 2, H315 Aquatic Acute 1, H400 M Acute = 1	[i]	0 <= x % < 2.5

CAS: 55965-84-9 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100	B	0 <= x % < 2.5
CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630-38 BENZYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332	[i]	0 <= x % < 2.5
CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51 TOLUENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373 Aquatic Chronic 3, H412	[i] [ii]	0 <= x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 68891-38-3 EC: 500-234-8 REACH: 01-2119488639-16 ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS	Skin Irrit. 2: H315 >=10% Eye Dam. 1: H318 C>= 10% Eye Irrit. 2: H319 5% <= C < 10%	oral: ATE = 4100 mg/kg BW
CAS: 97862-59-4 EC: 931-296-8 REACH: 01-2119488533-30 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIM ETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS	Eye Dam. 1: H318 C>= 10% Eye Irrit. 2: H319 4% <= C < 10%	oral: ATE = 2335 mg/kg BW
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE		oral: ATE = 3450 mg/kg BW
INDEX: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27 SODIUM HYDROXIDE	Skin Corr. 1A: H314 C>= 5% Skin Corr. 1B: H314 2% <= C < 5% Skin Irrit. 2: H315 0.5% <= C < 2% Eye Dam. 1: H318 C>= 2% Eye Irrit. 2: H319 0.5% <= C < 2%	
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE		inhalation: ATE = 12.2 mg/l 4h oral: ATE = 3140 mg/kg BW

CAS: 55965-84-9 MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)	Skin Corr. 1C: H314 C>= 0.6% Skin Irrit. 2: H315 0.06% <= C < 0.6% Eye Dam. 1: H318 C>= 0.6% Eye Irrit. 2: H319 0.06% <= C < 0.6% Skin Sens. 1A: H317 C>= 0.0015%	inhalation: ATE = 0.171 mg/l 4h (dust/mist) dermal: ATE = 141 mg/kg BW oral: ATE = 66 mg/kg BW
CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630-38 BENZYL ALCOHOL		oral: ATE = 1620 mg/kg BW
CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51 TOLUENE		inhalation: ATE = 25.7 mg/l 4h (vapours) oral: ATE = 5580 mg/kg BW

Information on ingredients :

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

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

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

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.

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

In the event of splashes or contact with skin :

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

In the event of swallowing :

Seek medical attention, showing the label.

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

Skin contact : May produce an allergic reaction.

Eye contact : Irritating to eyes.

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

Information for the doctor :

Treat symptomatically. Treatment of overexposure should be based Surle control of symptoms and the clinical condition of the patient.

The severity of injury, the prognosis of intoxication depend directly on the concentration and duration of exposure.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

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.

5.3. Advice for firefighters

Cool containers / tanks with water spray.

Fold gas / fumes / mists with water spray.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spills or accidental release, notify relevant authorities in accordance with current regulations.

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.

Avoid spills or further leakage if possible without risk.

For first aid worker

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

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Prevent product from entering drains.

6.4. Reference to other sections

See control measures against fire in Section 5.

See protective measures listed in sections 7 and 8.

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.

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.

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

No data available.

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)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
108-88-3	192	50	384	100	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2			2 mg/m3		

108-88-3	20 ppm			A4; BEI	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
532-32-1		10 E mg/m3		2 (II)
532-32-1		10 E mg/m3		2 (II)
3926-62-3		2E mg/m3		2 (II)
100-51-6		5 ppm 22 mg/m3		2 (I)
108-88-3		50 ppm 190 mg/m3		2(II)

- 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 :
1310-73-2		2				
108-88-3	20	76.8	100	384	VLRC	84,4 BIS

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2019) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2		2 mg/m3			
108-88-3	50 ppm 192 mg/m3	100 ppm 384 mg/m3		via dermica. VLB. VLI. r	

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2		2 mg/m3			
108-88-3	50 ppm 191 mg/m3	100 ppm 384 mg/m3		Sk	

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

TOLUENE (CAS: 108-88-3)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 384 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 192 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term systemic effects.
DNEL : 384 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 192 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 384 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 8.13 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 226 mg/kg body weight/day

Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	56.5 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	226 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	56.5 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Short term local effects.
DNEL :	226 mg of substance/m3

BENZYL ALCOHOL (CAS: 100-51-6)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Short term systemic effects.
DNEL :	47 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	9.5 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	450 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	90 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Short term systemic effects.
DNEL :	25 mg/kg body weight/day
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Short term systemic effects.
DNEL :	28.5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	5.7 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	40.55 mg of substance/m3
Exposure method:	Inhalation.

Potential health effects:	Long term systemic effects.
DNEL :	8.11 mg of substance/m3

SODIUM BENZOATE (CAS: 532-32-1)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	34.7 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	4.5 mg of substance/cm2
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	10.4 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	6.3 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	25 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	20.8 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	2.7 mg of substance/cm2
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	2.1 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	1.3 mg of substance/m3

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	12.5 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	44 mg of substance/m3
Final use:	**Man exposed via the environment.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.

DNEL : 7.5 mg/kg body weight/day

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 2750 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 175 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 15 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1650 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 52 mg of substance/m3

Predicted no effect concentration (PNEC):

TOLUENE (CAS: 108-88-3)
Environmental compartment: Soil.
PNEC : 2.89 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.68 mg/l

Environmental compartment: Sea water.
PNEC : 0.68 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 16.39 mg/kg

Environmental compartment: Marine sediment.
PNEC : 16.39 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 13.61 mg/l

BENZYL ALCOHOL (CAS: 100-51-6)
Environmental compartment: Soil.
PNEC : 0.456 mg/kg

Environmental compartment: Fresh water.
PNEC : 1 mg/l

Environmental compartment: Sea water.
PNEC : 0.1 mg/l

Environmental compartment: Intermittent waste water.

PNEC : 2.3 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 5.27 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.527 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 39 mg/l

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)

Environmental compartment: Soil.
PNEC : 0.8 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.0135 mg/l

Environmental compartment: Sea water.
PNEC : 0.00135 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 1 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.1 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 3000 mg/l

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Environmental compartment: Soil.
PNEC : 0.946 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.24 mg/l

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

Environmental compartment: Intermittent waste water.
PNEC : 0.071 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 5.45 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.545 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 10 g/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

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.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

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.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

- Body protection

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/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.

Exposure controls linked to environmental protection

See Section 6, 7, 12 and 13.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state :	Viscous liquid.

Odour

Odour threshold :	Not stated.

Melting point

Melting point/melting range :	Not specified.

Freezing point

Freezing point / Freezing range :	Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range :	100 °C.

Flammability

Flammability (solid, gas) :	Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : 6.79 +/-0.4.
Neutral.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : Coupe Ford n°6 = 30s à 1min30s

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : 1024 g/L à 20°C
Method for determining the density :
ISO 3507 (Laboratory glassware - Pycnometers).

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

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 data available.

10.4. Conditions to avoid

Avoid :

- frost
- heating
- heat

10.5. Incompatible materials

Do not mix with other chemicals

10.6. Hazardous decomposition products

No data available.

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances

Acute toxicity :

TOLUENE (CAS: 108-88-3)

Oral route :	LD50 = 5580 mg/kg bodyweight/day Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 > 5000 mg/kg bodyweight/day Species : Rabbit
Inhalation route (Vapours) :	LC50 = 25.7 mg/l Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity) Duration of exposure : 4 h

BENZYL ALCOHOL (CAS: 100-51-6)

Oral route :	LD50 = 1620 mg/kg bodyweight/day Species : Rat
Dermal route :	LD50 > 2000 mg/kg bodyweight/day Species : Rabbit
Inhalation route (Dusts/mist) :	LC50 > 4.178 mg/l Species : Rat

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (CAS: 55965-84-9)

Oral route :	LD50 = 66 mg/kg bodyweight/day Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 = 141 mg/kg bodyweight/day Species : Rabbit EPA OPP 81-2 (Acute Dermal Toxicity)
Inhalation route (Dusts/mist) :	LC50 = 0.171 mg/l Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity) Duration of exposure : 4 h

SODIUM BENZOATE (CAS: 532-32-1)

Oral route :	LD50 = 3140 mg/kg bodyweight/day Species : Rat
Dermal route :	LD50 > 2000 mg/kg bodyweight/day Species : Rabbit

Inhalation route (n/a) : LC50 = 12.2 mg/l
Species : Rat
Duration of exposure : 4 h

SODIUM BENZOATE (CAS: 532-32-1)
Oral route : LD50 = 3450 mg/kg bodyweight/day

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)
Oral route : LD50 = 2335 mg/kg bodyweight/day
Species : Rat

Dermal route : LD50 > 2000 mg/kg bodyweight/day
Species : Rat

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
Oral route : LD50 = 4100 mg/kg bodyweight/day
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg bodyweight/day
Species : Rat
OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/skin irritation :

TOLUENE (CAS: 108-88-3)
Irritation : Average score = 2.43
Effect observed : Erythema score
Species : Rabbit
Duration of exposure : 72 h
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
Irritation : Average score = 3.6
Effect observed : Erythema score
Species : Rabbit
Duration of exposure : 24 h
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (CAS: 55965-84-9)
Corrosivity : Causes severe skin burns.
Species : Rabbit

Serious damage to eyes/eye irritation :

TOLUENE (CAS: 108-88-3)
Corneal haze : Average score = 0
Species : Rabbit
Duration of exposure : 72 h
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Iritis : Average score = 0
Species : Rabbit
Duration of exposure : 72 h
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival redness :	Average score < 2 Species : Rabbit Duration of exposure : 72 h OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival oedema :	Average score < 2 Species : Rabbit Duration of exposure : 72 h OECD Guideline 405 (Acute Eye Irritation / Corrosion)

BENZYL ALCOHOL (CAS: 100-51-6)

Causes serious eye irritation.

Corneal haze :	2 <= Average score < 3 and effects totally reversible within 21 days of observation Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Iritis :	1 <= Average score <= 1.5 and effects totally reversible within 21 days of observation Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival redness :	Average score >= 2.5 and effects totally reversible within 21 days of observation Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival oedema :	Average score >= 2 and effects totally reversible within 21 days of observation Species : Rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)

SODIUM BENZOATE (CAS: 532-32-1)

Corneal haze :	Average score = 0 Species : Rabbit Duration of exposure : 72 h
Iritis :	Average score = 0 Species : Rabbit Duration of exposure : 72 h
Conjunctival redness :	Average score = 2.44 Species : Rabbit Duration of exposure : 72 h
Conjunctival oedema :	Average score = 0.67 Species : Rabbit Duration of exposure : 72 h

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Corneal haze :	Average score = 4 Duration of exposure : 72 h OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Iritis :	Average score = 2 Duration of exposure : 72 h OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival redness :	Average score = 4 Duration of exposure : 72 h

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitisation :

TOLUENE (CAS: 108-88-3)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig
OECD Guideline 406 (Skin Sensitisation)

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig

Germ cell mutagenicity :

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (CAS: 55965-84-9)

Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
No mutagenic effect.

Mutagenesis (in vivo) : Negative.
OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Ames test (in vitro) : Negative.

Reproductive toxicant :

TOLUENE (CAS: 108-88-3)
Suspected of damaging the unborn child.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
No toxic effect for reproduction

Specific target organ systemic toxicity - repeated exposure :

TOLUENE (CAS: 108-88-3)

Inhalation route (Vapours) : 0.2 < C <= 0.25 mg/l/6hrs/day
Species : Rat
Duration of exposure : 90 days

BENZYL ALCOHOL (CAS: 100-51-6)

Oral route : C = 550 mg/kg bodyweight/day
Species : Mouse
Duration of exposure : 90 days

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Oral route : C > 300 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

11.1.2. Mixture

Respiratory or skin sensitisation :

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

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

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

CAS 108-88-3 : 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

TOLUENE (CAS: 108-88-3)

Fish toxicity :	LC50 = 5.5 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
	NOEC = 1.4 mg/l Duration of exposure : 35 days
Crustacean toxicity :	EC50 = 3.78 mg/l Species : Daphnia sp. Duration of exposure : 48 h
	NOEC = 0.74 mg/l Duration of exposure : 7 days
Algae toxicity :	ECr50 = 134 mg/l Species : Chlamydomonas sp. Duration of exposure : 72 h
	NOEC = 10 mg/l Species : Chlamydomonas sp. Duration of exposure : 72 h

BENZYL ALCOHOL (CAS: 100-51-6)

Fish toxicity :	LC50 = 460 mg/l Species : Lepomis macrochirus Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 230 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	NOEC = 51 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 = 770 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC = 310 mg/l

Duration of exposure : 72 h

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (CAS: 55965-84-9)

Fish toxicity :
LC50 = 0.19 mg/l
Factor M = 1
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
EPA OPP 72-1 (Fish Acute Toxicity Test)

NOEC = 0.098 mg/l
Factor M = 1
Species : Oncorhynchus mykiss
Duration of exposure : 28 days
OECD Guideline 215 (Fish, Juvenile Growth Test)

Crustacean toxicity :
EC50 = 0.1 mg/l
Factor M = 10
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 0.0036 mg/l
Factor M = 10
Species : Daphnia magna
Duration of exposure : 21 days
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity :
ECr50 = 0.00535 mg/l
Factor M = 100
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 0.001 mg/l
Factor M = 100
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)

Fish toxicity :
LC50 = 1.11 mg/l
Species : Pimephales promelas
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :
EC50 = 1.9 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity :
ECr50 = 1.5 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

Fish toxicity :	LC50 = 7.1 mg/l Species : Brachydanio rerio Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test) EC10 mg/l Species : Pimephales promelas Duration of exposure : 35 days OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC = 1 mg/l Species : Pimephales promelas Duration of exposure : 35 days OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 7.2 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) NOEC = 0.27 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 = 27.7 mg/l Species : Desmodesmus subspicatus Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test) NOEC = 0.95 mg/l Species : Desmodesmus subspicatus Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

SODIUM BENZOATE (CAS: 532-32-1)

Fish toxicity :	LC50 = 460 mg/l Species : Leuciscus idus melanotus Duration of exposure : 96 h
Crustacean toxicity :	EC50 >= 100 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	10 < ECr50 <= 100 mg/l Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

TOLUENE (CAS: 108-88-3)

Biodegradability :	Rapidly degradable.

BENZYL ALCOHOL (CAS: 100-51-6)

Biodegradability : Rapidly degradable.

MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (CAS: 55965-84-9)
Biodegradability : Non-rapidly degradable.

SODIUM BENZOATE (CAS: 532-32-1)
Biodegradability : Rapidly degradable.

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)
Biodegradability : Rapidly degradable.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

TOLUENE (CAS: 108-88-3)
Octanol/water partition coefficient : log Koe = 2.73

Bioaccumulation : BCF = 90

BENZYL ALCOHOL (CAS: 100-51-6)
Octanol/water partition coefficient : log Koe = 1.05

Bioaccumulation : BCF = 1.37

SODIUM BENZOATE (CAS: 532-32-1)
Octanol/water partition coefficient : log Koe = -2.27

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS (CAS: 97862-59-4)
Octanol/water partition coefficient : log Koe = 4.23

Bioaccumulation : BCF = 71

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)
Octanol/water partition coefficient : log Koe = -1.38

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. Other adverse effects

No data available.

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.

Local arrangements :

N/A

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number or ID number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

-

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. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

Container information:

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

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.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

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.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .
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.

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

CMR: Carcinogenic, mutagenic or reprotoxic.

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.

VLRI : Indicative limit value

VLRC : Indicative constraint 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.

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.