

VIVOG SHAMP. UNIVERSEL



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. UNIVERSEL 20L
Product code : 2000197
UFI : AC00-86HQ-SV0C-RRQ7

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)
SU 21 : Domestic activities (consumers)

1.3. Details of the supplier of the safety data sheet

Registered company name : VIVOG SAS.
Address : 10 rue de la Mairie – 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

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.

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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) $\geq 0.1\%$ 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 $\geq 0.1\%$ 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		$2.5 \leq x \% < 10$
CAS: 97862-59-4 EC: 931-296-8 REACH: 01-2119488533-30 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-C8-18(EVEN NUMBERED) ACYL DERIVS., HYDROXIDES, INNER SALTS	GHS05 Dgr Eye Dam. 1, H318		$0 \leq x \% < 2.5$
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE	GHS07 Wng Eye Irrit. 2, H319	[i]	$0 \leq x \% < 2.5$
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE	GHS07 Wng Eye Irrit. 2, H319	[i]	$0 \leq x \% < 2.5$
INDEX: 605-019-00-3 CAS: 5392-40-5 EC: 226-394-6 REACH: 01-2119462829-23 CITRAL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317	[i]	$0 \leq x \% < 2.5$
CAS: 5989-27-5 EC: 227-813-5 D-LIMONENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1	[i]	$0 \leq x \% < 2.5$

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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
INDEX: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 BENZYL ALCOHOL	GHS07 Wng Acute Tox. 4, H332 Acute Tox. 4, H302	[i]	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-DIMETHYL-, 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		inhalation: ATE = 12.2 mg/l 4h oral: ATE = 3140 mg/kg BW
CAS: 532-32-1 EC: 208-534-8 REACH: 01-2119460683-35 SODIUM BENZOATE		oral: ATE = 3450 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

Information on ingredients :

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

[i] 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.

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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.
Rinse thoroughly with water, if discomfort persists, consult a specialist.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.
Rinse with soapy water.

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

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.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

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.

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.

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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 :

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
5392-40-5	5 (IFV) ppm			Skin; SEN; A4	

- 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)
5989-27-5		5 ppm 28 mg/m3		4(II)
100-51-6		5 ppm 22 mg/m3		2 (I)

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
5392-40-5	5 ppm			via dermica. Sen.FIV	
5989-27-5	30 ppm 168 mg/m3			Sen. via dermica	

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

SODIUM BENZOATE (CAS: 532-32-1)

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
34.7 mg/kg body weight/day

Dermal contact.
Long term local effects.
4.5 mg of substance/cm2

Inhalation.
Long term systemic effects.
10.4 mg of substance/m3

Inhalation.
Long term local effects.
6.3 mg of substance/m3

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Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
25 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
20.8 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term local effects.
2.7 mg of substance/cm2

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
2.1 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term local effects.
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:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
12.5 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
44 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Man exposed via the environment.

Dermal contact.
Long term systemic effects.
7.5 mg/kg body weight/day

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

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
2750 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
175 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
15 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
1650 mg/kg body weight/day

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

Predicted no effect concentration (PNEC):

D-LIMONENE (CAS: 5989-27-5)

Environmental compartment:	Soil.
PNEC :	0.262 mg/kg

Environmental compartment:	Fresh water.
PNEC :	5.4 mg/l

Environmental compartment:	Sea water.
PNEC :	0.54 mg/l

Environmental compartment:	Fresh water sediment.
PNEC :	1.32 mg/kg

Environmental compartment:	Marine sediment.
PNEC :	0.13 mg/kg

Environmental compartment:	Waste water treatment plant.
PNEC :	1.8 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

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Environmental compartment: PNEC :	Fresh water sediment. 5.45 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.545 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 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

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.

Odor : N/A

Melting point

Melting point/melting range : Not specified.

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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 : 5.00 +/-0.2.

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 : 1028 g/L à 20°C

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.

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10.4. Conditions to avoid

Avoid :

- frost
- heat

10.5. Incompatible materials

Do not mix with other chemicals

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 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 :

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 = 3450 mg/kg bodyweight/day
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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

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
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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 :

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 :

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 :

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

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

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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 :

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

Specific target organ systemic toxicity - repeated exposure :

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

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

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

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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

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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

The surfactants in this product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of Member States and will be provided upon request or at the request of a detergent manufacturer.

12.2.1. Substances

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

SODIUM BENZOATE (CAS: 532-32-1)

Octanol/water partition coefficient :

log K_{ow} = -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)

VIVOG SHAMP. UNIVERSEL 5L / MARTIN SELLIER - 011641-001

Octanol/water partition coefficient : log K_{ow} = 4.23

Bioaccumulation : BCF = 71

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

Octanol/water partition coefficient : log K_{ow} = -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

No data available.

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. 2022/692 (ATP 18)

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 :

H226	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.
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

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

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.

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.