

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

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

- **1.1 Product identifier**
- **Trade name:** SNOW FOAM
- **Article number:** 21310212
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Carrus Cultus GmbH  
Turleyplatz 1  
68167 Mannheim  
web: [www.herrenfahrt.com](http://www.herrenfahrt.com)
- **Further information obtainable from:**  
tel.: +49 621 483 450 26  
mobil: +49 (0) 170 58 69 111  
mail: [a.werner@herrenfahrt.com](mailto:a.werner@herrenfahrt.com)
- **1.4 Emergency telephone number:**  
on weekdays:  
+49 (0)621 483 450 26

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P280 Wear protective gloves / eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

**Trade name: SNOW FOAM**

(Contd. of page 1)

- P337+P313 If eye irritation persists: Get medical advice/attention.
- **Additional information:**  
Contains 3,7-Dimethyl-1,6-octadien-3-ol. May produce an allergic reaction.
  - **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EC number: 931-534-0 Reg.nr.: 01-2119513401-57	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts ----- Eye Dam. 1, H318; Skin Irrit. 2, H315	10-25%
CAS: 123-92-2 EINECS: 204-662-3 Index number: 607-130-00-2 Reg.nr.: 01-2119548408-32	isopentyl acetate ----- Flam. Liq. 3, H226	≤2.5%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ----- Eye Irrit. 2, H319	≤2.5%
EC number: 931-292-6 Reg.nr.: 01-2119490061-47	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ----- Alternative CAS number: 70592-80-2 Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	≤2.5%
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 Reg.nr.: 01-2119474016-42	3,7-Dimethyl-1,6-octadien-3-ol ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≤2.5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	≥5 - <15%
non-ionic surfactants	<5%
perfumes (LINALOOL, CITRAL, BENZYL ALCOHOL)	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

EU

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

Trade name: SNOW FOAM

(Contd. of page 2)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

EU

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

Trade name: SNOW FOAM

(Contd. of page 3)

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Protect from frost.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

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

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:****123-92-2 isopentyl acetate**

IOELV	Short-term value: 540 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 270 mg/m <sup>3</sup> , 50 ppm

**112-34-5 2-(2-butoxyethoxy)ethanol**

IOELV	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

· **DNELs****Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

Oral	Long term - systemic effects, general population	12.95 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	2,158.33 mg/kg bw/day (worker)
	Long term - systemic effects, general population	129 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	152.22 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	45.04 mg/m <sup>3</sup> (general population)

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	Long term - systemic effects, general population	1.25 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	20 mg/kg bw/day (worker)
	Long term - systemic effects, general population	10 mg/kg bw/day (general population)

(Contd. on page 5)

EU

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

**Trade name: SNOW FOAM**

(Contd. of page 4)

<i>Inhalative</i>	<i>Long-term - systemic effects, worker</i>	67.5 mg/m <sup>3</sup> (worker)
	<i>Long term - local effects, general population</i>	34 mg/m <sup>3</sup> (general population)
<b>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b>		
<i>Oral</i>	<i>Long term - systemic effects, general population</i>	0.44 mg/kg bw/day (general population)
<i>Dermal</i>	<i>Long-term - systemic effects, worker</i>	11 mg/kg bw/day (worker)
	<i>Long term - systemic effects, general population</i>	5.5 mg/kg bw/day (general population)
<i>Inhalative</i>	<i>Long-term - systemic effects, worker</i>	6.2 mg/m <sup>3</sup> (worker)
	<i>Long term - systemic effects, general population</i>	1.53 mg/m <sup>3</sup> (general population)

· **PNECs****Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts**

<i>Aquatic compartment - freshwater</i>	0.042 mg/l (freshwater)
<i>Aquatic compartment - marine water</i>	0.0042 mg/l (marine water)
<i>Aquatic compartment - water, intermittent releases</i>	0.042 mg/l (intermittent release water)
<i>Aquatic compartment - sediment in freshwater</i>	2.025 mg/kg sed dw (sediment fresh water)
<i>Aquatic compartment - sediment in marine water</i>	0.2025 mg/kg sed dw (sediment marine water)
<i>Terrestrial compartment - soil</i>	0.0061 mg/kg dw (soil)
<i>sewage treatment plant</i>	4 mg/l (sewage treatment plant)

**112-34-5 2-(2-butoxyethoxy)ethanol**

<i>Aquatic compartment - freshwater</i>	1 mg/l (freshwater)
<i>Aquatic compartment - sediment in freshwater</i>	4 mg/kg sed dw (freshwater)
<i>Terrestrial compartment - soil</i>	0.4 mg/kg dw (soil)
<i>sewage treatment plant</i>	200 mg/l (sewage treatment plant)

**Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides**

<i>Aquatic compartment - freshwater</i>	0.0335 mg/l (Sweet Water / Süßwasser)
<i>Aquatic compartment - marine water</i>	0.00335 mg/l (marine water)
<i>Aquatic compartment - sediment in freshwater</i>	5.24 mg/kg sed dw (Sweet Water / Süßwasser)
<i>Aquatic compartment - sediment in marine water</i>	0.524 mg/kg sed dw (marine water)
<i>Terrestrial compartment - soil</i>	1.02 mg/kg dw (soil)
<i>sewage treatment plant</i>	24 mg/l (sewage treatment plant)
<i>Oral secondary poisoning</i>	11 mg/kg food (food sec poisoning)

· **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 6)

EU

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

Trade name: SNOW FOAM

(Contd. of page 5)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.  
Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:** Not required.
- **Protection of hands:** Protective gloves
- **Material of gloves**  
Butyl rubber, BR  
Nitrile rubber, NBR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light green
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
- **pH-value at 20 °C:** 8.5 (DIN 19268)
- **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	100 °C
- **Flash point:** >100 °C
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

(Contd. on page 7)

EU

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

**Trade name: SNOW FOAM**

(Contd. of page 6)

- **Oxidising properties** Not determined.
- **Vapour pressure at 20 °C:** 23 hPa
- **Density at 20 °C:** 1.02 g/cm<sup>3</sup> (DIN 51757)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	6,300 mg/kg (rabbit)
Inhalative	LC50/4 h	>52 mg/l (rat)
<b>123-92-2 isopentyl acetate</b>		
Oral	LD50	16,000 mg/kg (rat)
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

(Contd. on page 8)

EU

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

**Trade name: SNOW FOAM**

(Contd. of page 7)

<b>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b>		
Oral	LD50	1,064 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
<b>78-70-6 3,7-Dimethyl-1,6-octadien-3-ol</b>		
Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)
· <b>Specific symptoms in biological assay:</b>		
<b>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b>		
Oral	Subakut NOAEL	88 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts</b>	
LC50/96 h	4.2 mg/l (Danio rerio)
EC50/72 h	5.2 mg/l (Skeletonema costatum) 4.53 mg/l (Daphnia magna)
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>	
NOEC	>100 mg/l (Desmodesmus subspicatus)
EC10/16 h	1,170 mg/l (Pseudomonas putida)
LC50/96 h	1,300 mg/l (Lepomis macrochirus)
EC50/24 h	2,850 mg/l (Daphnia magna)
<b>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b>	
NOEC	0.42 mg/l (fish) (EPA OPPTS 850.1500) 302 Tage
NOEC 28 d	0.067 mg/l (Algae, Growth inhibition test) (OECD 201)

(Contd. on page 9)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

**Trade name: SNOW FOAM**

(Contd. of page 8)

NOEC 21 d	0.7 mg/l (Daphnia magna) (OECD 211)
OECD 301 B	>60 % (–) (28 Tage)
LC50/96 h	2.67-3.46 mg/l (fish) (APHA Stand Method (1971))
EC50/48 h	3.1 mg/l (Daphnia magna) (OECD 203)
EC50/72 h	0.146 mg/l (Algae, Growth inhibition test) (OECD 201)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.07.2020

Version number 1

Revision: 28.07.2020

Trade name: SNOW FOAM

· UN "Model Regulation":

Void

(Contd. of page 9)

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Directive 2012/18/EU
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H226 Flammable liquid and vapour.
- 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.
- H411 Toxic to aquatic life with long lasting effects.

- **Department issuing SDS:** Department R&D

- **Contact:** Department R&D

- **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity - oral – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2