

## **Dash Alpenfrische Vollwaschmittel**

Version 1.0

SDS Number: S1010645

Revision Date: 23.02.2021

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

#### **1.1 Product identifier**

Trade name : Dash Alpenfrische Vollwaschmittel

Unique Formula Identifier (UFI) : 5DT1-V05A-200Y-N83M

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

Use of the Sub-stance/Mixture : Home care  
Washing powders, detergents and cleaning agents

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

Manufacturer : Dalli-Werke GmbH & Co.KG  
Zweifaller Straße 120  
D-52224 Stolberg  
Tel.: 0049 (0)2402 8900

E-mail address of person responsible for the SDS : dalli-msds@dalli-group.com

#### **1.4 Emergency telephone number**

Informationszentrale gegen Vergiftungen  
Zentrum für Kinderheilkunde - Universitätsklinikum Bonn  
Adenauerallee 119  
D-53113 Bonn  
Notruf: +49-228-19 24 0  
Fax: +49-228-28 7-3 32 78 / +49-228-28 7-3 33 14  
Email: gizbn@ukb.uni-bonn.de  
<http://www.gizbonn.de>

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### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

##### **Classification (REGULATION (EC) No 1272/2008)**

REGULATION (EC) No 1272/2008  
Eye irritation, Category 2

H319: Causes serious eye irritation. (Expert judgement and weight of evidence determination (DetNet).)

#### **2.2 Label elements**

##### **Labelling (REGULATION (EC) No 1272/2008)**

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Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

### 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.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Washing powders, detergents and cleaning agents

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
SODIUM CARBONATE	497-19-8 207-838-8 01-2119485498-19	Eye Irrit. 2; H319	>= 30 - < 50
SODIUM C10-13 ALKYL BENZENESULFONATE	68411-30-3 270-115-0 01-2119489428-22	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 10
SODIUM CARBONATE PEROXIDE	15630-89-4 239-707-6 01-2119457268-30	Ox. Sol. 3; H272 Acute Tox. 4; H302 Eye Dam. 1; H318	>= 3 - < 7,5
SODIUM SILICATE	1344-09-8 215-687-4	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3

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Alcohols, C10-18, ethoxylated	01-2119448725-31 85422-93-1 500-267-8 Exempted (Polymer)	STOT SE 3; H335 Eye Dam. 1; H318 Aquatic Chronic 3; H412	$\geq 1 - < 2,5$
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.  
If skin irritation persists, call a physician.
- In case of eye contact : Protect unharmed eye.  
If eye irritation persists, consult a specialist.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If easy to do, remove contact lens, if worn.
- If swallowed : Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If accidentally swallowed obtain immediate medical attention.  
Gently wipe or rinse the inside of the mouth with water.

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

- Risks : Causes serious eye irritation.

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

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

- Hazardous combustion products : None

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### 5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus for firefighters

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. No special environmental precautions required.

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

Methods for cleaning up : Sweep up and shovel.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat, drink or smoke.

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

Requirements for storage areas and containers : Store at room temperature in the original container.

Advice on common storage : No materials to be especially mentioned.

Storage class (TRGS 510) : 10-13, German Storage Class 10 to 13

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
SODIUM CARBONATE	Workers	Inhalation	Long-term local effects	10 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	10 mg/m <sup>3</sup>
SODIUM SULFATE	Workers	Inhalation	Long-term local effects, Long-term systemic effects	20 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects, Long-term systemic effects	12 mg/m <sup>3</sup>
SODIUM C10-13 ALKYL BENZENESULFONATE	Workers	Inhalation	Long-term systemic effects, Long-term local effects	6 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	85 mg/kg
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	1,5 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	42,5 mg/kg
SODIUM CARBONATE PEROXIDE	Workers	Skin contact	Short-term exposure, Local effects	12,8 mg/cm <sup>2</sup>
	Workers	Inhalation	Long-term local effects	5 mg/m <sup>3</sup>
	Consumers	Skin contact	Short-term exposure, Local effects	6,4 mg/cm <sup>2</sup>
SODIUM SILICATE	Workers	Inhalation	Long-term systemic effects	5,61 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	1,59 mg/kg
	Consumers	Ingestion	Long-term systemic effects	0,80 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	0,80 mg/kg

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
SODIUM SULFATE	Fresh water	11,09 mg/l
	Marine water	1,109 mg/l
	Fresh water sediment	40,2 mg/kg
	Marine sediment	4,02 mg/kg
	Soil	1,54 mg/l

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	Sewage treatment plant	800 mg/l
SODIUM C10-13 ALKYL BENZENESULFONATE	Fresh water	0,268 mg/l
	Marine water	0,027 mg/l
	Fresh water sediment	8,1 mg/kg
	Marine sediment	6,8 mg/kg
	Soil	35 mg/kg
SODIUM CARBONATE PEROXIDE	Fresh water	0,035 mg/l
	Fresh water sediment	0,01 mg/l
	Sewage treatment plant	0,016 mg/l
SODIUM SILICATE	Fresh water	7,5 mg/l
	Marine water	1,0 mg/l
	Sewage treatment plant	348 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses  
Hand protection

Remarks : not required  
Skin and body protection : not required  
Respiratory protection : not required

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : powder  
Colour : white  
Odour : odourized  
Odour Threshold : Not relevant

pH : 10,7  
Concentration: 1 %  
(as aqueous solution)

Melting point/range : not determined

Boiling point/boiling range : not determined

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : Will not burn

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : not determined

Vapour pressure : No data available

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Relative vapour density	: No data available
Density	: Not applicable
Bulk density	: 650 kg/m <sup>3</sup>
Solubility(ies)	
Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Explosive properties	: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.  
No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Exposure to moisture

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Not classified based on available information.

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

##### **SODIUM CARBONATE:**

Acute oral toxicity : LD50 Oral (Rat): 2.800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2,3 mg/l  
Exposure time: 2 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

##### **SODIUM C10-13 ALKYL BENZENESULFONATE:**

Acute oral toxicity : LD50 Oral (Rat): 1.080 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

##### **SODIUM CARBONATE PEROXIDE:**

Acute oral toxicity : LD50 Oral (Rat): 1.034 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

##### **SODIUM SILICATE:**

Acute oral toxicity : LD50 Oral (Rat): 1.960 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 2,06 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rat): > 5.000 mg/kg

##### **Alcohols, C10-18, ethoxylated:**

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

##### **Skin corrosion/irritation**

Not classified based on available information.

##### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.



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### Components:

#### **SODIUM CARBONATE:**

Species : Rabbit  
Result : No skin irritation

Species : human skin  
Result : No skin irritation

#### **SODIUM CARBONATE PEROXIDE:**

Result : No skin irritation

#### **SODIUM SILICATE:**

Result : Skin irritation

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### Product:

Remarks : Eye irritation

### Components:

#### **SODIUM CARBONATE PEROXIDE:**

Result : Eye irritation

#### **SODIUM SILICATE:**

Result : Irreversible effects on the eye

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Not classified based on available information.

##### **Respiratory sensitisation**

Not classified based on available information.

### Product:

Remarks : Not applicable

### Components:

#### **SODIUM CARBONATE PEROXIDE:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative

#### **SODIUM SILICATE:**

Result : negative

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### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### SODIUM CARBONATE:

Genotoxicity in vitro : Test Type: in vitro assay  
Result: negative

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

### Product:

Remarks : Health injuries are not known or expected under normal use.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### SODIUM CARBONATE:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Ceriodaphnia dubia (water flea)): 200 - 227 mg/l  
aquatic invertebrates Exposure time: 48 h

#### SODIUM C10-13 ALKYL BENZENESULFONATE:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic : NOEC (Desmodesmus subspicatus (green algae)): 2,4 mg/l  
plants Exposure time: 72 h

#### SODIUM CARBONATE PEROXIDE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 70,7 mg/l  
Exposure time: 96 h

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NOEC (Pimephales promelas (fathead minnow)): 7,4 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia pulex (Water flea)): 4,9 mg/l  
aquatic invertebrates

### **SODIUM SILICATE:**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 1.108 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : (Daphnia magna (Water flea)): 1.700 mg/l  
aquatic invertebrates Exposure time: 48 h

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Remarks: The surfactant(s) contained in this mixture complies(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 the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 12.3 Bioaccumulative potential

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

## 12.6 Other adverse effects

### **Product:**

Additional ecological information : There is no data available for this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste han-

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ding site for recycling or disposal.

Waste Code : The waste is hazardous waste pursuant to EU legislation. The waste code is to be defined in accordance with national legislation and the intended purpose.

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class (Germany) : awg generally water endangering  
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : Total dust:  
Not applicable  
Inorganic substances in powdered form:  
Not applicable  
Inorganic substances in vapour or gaseous form:  
Not applicable  
Organic Substances:

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Not applicable  
Carcinogenic substances:  
Not applicable  
Mutagenic:  
Not applicable  
Toxic to reproduction:  
Not applicable

Occupational Illnesses (R-461-3, France) : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

### 15.2 Chemical safety assessment

There is no data available for this product.

## SECTION 16: Other information

### Full text of H-Statements

H272 : May intensify fire; oxidizer.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Ox. Sol. : Oxidizing solids  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical

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Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

#### **Classification of the mixture:**

Eye Irrit. 2

H319

#### **Classification procedure:**

Expert judgement and weight of evidence determination (DetNet).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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