

DASH Color Frische Caps

Version 1.1

SDS Number: S1008140

Revision Date: 27.07.2020

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

1.1 Product identifier

Trade name : DASH Color Frische Caps

Unique Formula Identifier (UFI) : G2R1-60HK-T00M-T1CV

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>

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

REGULATION (EC) No 1272/2008 Skin irritation, Category 2	H315: Causes skin irritation. (Calculation method)
REGULATION (EC) No 1272/2008 Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects. (Calculation method)
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)

REGULATION (EC) No 1272/2008

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Hazard pictograms

:



Signal word

:

Warning

Hazard statements

:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

:

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

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/container in accordance with regional regulation.

Additional Labelling

EUH208 Contains SUBTILISIN. May produce an allergic reaction.

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)
MEA-C10-13 ALKYL BENZENESULFONATE	85480-55-3 287-335-8 01-2119905842-39	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 20 - < 25

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MEA-Palm Kernelate	91031-21-9	Eye Dam. 1; H318	$\geq 20 - < 30$
Alcohols, C12-18, ethoxylated	68213-23-0 500-201-8 Exempted (Polymer)	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	$\geq 10 - < 20$
ALCOHOL DENAT.	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	$\geq 1 - < 10$
SUBTILISIN	9014-01-1 232-752-2 647-012-00-8 01-2119480434-38	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	$\geq 0,1 - < 0,25$
Substances with a workplace exposure limit :			
GLYCERIN	56-81-5 200-289-5 Exempted (Annex V)		$\geq 1 - < 10$

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 skin irritation.
Causes serious eye irritation.

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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

5.3 Advice for firefighters

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

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Use non-slip safety shoes in areas where spills or leaks can occur.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Should not be released into the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

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

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.
Do not get in eyes or mouth or on skin.

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

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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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
GLYCERIN	56-81-5	AGW (Inhalable fraction)	200 mg/m ³	DE TRGS 900
Peak-limit: excursion factor (category): 2;(I)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
ALCOHOL DENAT.	64-17-5	AGW	200 ppm 380 mg/m ³	DE TRGS 900
Peak-limit: excursion factor (category): 4;(II)				
Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child				
			500 ml/m ³ 960 mg/m ³	

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

Substance name	End Use	Exposure routes	Potential health effects	Value
MEA-C10-13 ALKYL BENZENESULFONATE	Workers	Inhalation	Long-term systemic effects	12 mg/m ³
	Workers	Inhalation	Long-term local effects	12 mg/m ³
	Workers	Skin contact	Long-term systemic effects	170 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	3 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	85 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic	0,85 mg/kg

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			effects	bw/day
PROPYLENE GLYCOL	Workers	Inhalation	Long-term systemic effects	168 mg/m3
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Inhalation	Long-term local effects	10 mg/m3
ALCOHOL DENAT.	Consumers	Ingestion	Long-term systemic effects	87 mg/kg
	Consumers	Skin contact	Long-term systemic effects	206 mg/kg
	Consumers	Inhalation	Acute local effects	950 mg/m3
	Consumers	Inhalation	Long-term systemic effects	114 mg/m3
	Workers	Skin contact	Long-term systemic effects	343 mg/kg
	Workers	Inhalation	Acute local effects	1900 mg/m3
	Workers	Inhalation	Long-term systemic effects	950 mg/m3
SUBTILISIN	Workers	Inhalation	Long-term systemic effects, Long-term local effects	0,00006 mg/m3
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	0,000015 mg/m3
	Consumers	Ingestion	Long-term systemic effects	1,8 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
MEA-C10-13 ALKYL BENZENESULFONATE	Fresh water	0,268 mg/l
	Marine water	0,027 mg/l
	Sewage treatment plant	0,017 mg/l
	Fresh water sediment	8,1 mg/kg
	Marine sediment	8,1 mg/kg
PROPYLENE GLYCOL	Water	260 mg/l
	Marine water	26 mg/l
	Fresh water sediment	572 mg/l
	Marine sediment	57,2 mg/l
ALCOHOL DENAT.	Soil	0,63 mg/kg
	Fresh water	0,96 mg/l
	Marine water	0,79 mg/l
	Fresh water sediment	3,6 mg/kg
	Marine sediment	2,9 mg/kg
SUBTILISIN	Fresh water	0,0017 mg/l
	Marine water	0,00017 mg/l
	Sewage treatment plant	65 mg/l
	Soil	0,568 mg/kg

8.2 Exposure controls

Personal protective equipment

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Eye protection	: Safety glasses
Hand protection	
Material	: Nitrile rubber
Glove thickness	: 0,31 mm
Glove length	: Gauntlets
Wearing time	: > 480 min
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	: liquid
Colour	: coloured
Odour	: odourized
Odour Threshold	: Not relevant
pH	: 8,0 - 8,6 (23 °C) Concentration: 1 % (as aqueous solution)
Melting point/range	: not determined
Boiling point/boiling range	: not determined
Flash point	: Not applicable
Evaporation rate	: not determined
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: ca. 1,02 g/cm ³ (23 °C)
Bulk density	: Not applicable
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	: 150 - 500 mPa.s (23 °C)

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Viscosity, kinematic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

9.2 Other information

Flammability (liquids)	:	Not classified as supporting combustion according to the transport regulations.
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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.
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10.4 Conditions to avoid

Conditions to avoid	:	Protect from frost.
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10.5 Incompatible materials

Materials to avoid	:	No data available
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10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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
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Components:

MEA-C10-13 ALKYL BENZENESULFONATE:

Acute oral toxicity	:	LD50 Oral (Rat): 1.570 mg/kg Method: OECD Test Guideline 401 GLP: no
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Alcohols, C12-18, ethoxylated:

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Acute oral toxicity : LD50 Oral (Rat): 1.333 mg/kg

ALCOHOL DENAT.:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg
Method: OECD Test Guideline 401
Remarks: Information refers to the main component.

Acute inhalation toxicity : LC50 (Rat): 117 - 125 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403
Remarks: Information refers to the main component.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402
Remarks: Information refers to the main component.

SUBTILISIN:

Acute oral toxicity : LD50 Oral (Rat): 1.800 mg/kg

GLYCERIN:

Acute oral toxicity : LD50 Oral (Rat): 12.600 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : Irritating to skin and mucous membranes

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : Eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : May cause sensitisation of susceptible persons by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

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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.

SECTION 12: Ecological information

12.1 Toxicity

Components:

MEA-C10-13 ALKYL BENZENESULFONATE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1,7 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 65 mg/l
aquatic invertebrates
Exposure time: 48 h
Test Type: static test

Toxicity to fish (Chronic tox- : NOEC: 1,0 mg/l
icity)
Exposure time: 28 d
Species: Lepomis macrochirus (Bluegill sunfish)
Method: OECD Test Guideline 204

ALCOHOL DENAT.:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13.000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to algae/aquatic : EC50 (Selenastrum capricornutum (green algae)): 12.900
plants
mg/l
Exposure time: 48 h
Method: OECD Test Guideline 201

EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

SUBTILISIN:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 8,2 mg/l
Exposure time: 96 h

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Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 0,586 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,83 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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 handling site for recycling or disposal.

Waste Code : The waste is hazardous waste pursuant to EU legislation. The

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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) : WGK 2 obviously hazardous to water
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:
Not applicable
Carcinogenic substances:
Not applicable
Mutagenic:

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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)
Volatile organic compounds (VOC) content: 13,48 %

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H225 : Highly flammable liquid and vapour.
H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Resp. Sens. : Respiratory sensitisation
Skin Irrit. : Skin irritation
STOT SE : Specific target organ toxicity - single exposure
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 900 / AGW : Time Weighted Average

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 - In-

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according to Regulation (EC) No. 1907/2006



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ternational 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 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:

Skin Irrit. 2	H315
Aquatic Chronic 3	H412
Eye Irrit. 2	H319

Classification procedure:

Calculation method
Calculation method
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.

DE / EN