

BONUX 3in1 Lilac

Version 1.0

SDS Number: S1020827

Revision Date: 09.08.2018

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

1.1 Product identifier

Trade name : BONUX 3in1 Lilac

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

Use of the Sub- : Home care
stance/Mixture 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

1.4 Responsible Department

Rechtliche Produktsicherheit
Health Safety Environment (HSE)
dalli-msds@dalli-group.com

1.5 Emergency telephone number

Centre Anti-Poison Bruxelles tél 070 / 245 245
Antigifcentrum Brussel phone 070 / 245 245

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)

REGULATION (EC) No 1272/2008
Hazard pictograms :



Signal word : Warning

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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

Hazardous 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 SILICATE	1344-09-8 215-687-4 01-2119448725-31	Skin Corr. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 1 - < 3
Alcohols, C10-18, ethoxylated	85422-93-1 500-267-8 Exempted (Polymer)	Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2,5

For explanation of abbreviations see section 16.

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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

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.

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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.

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.

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

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 ³

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	Consumers	Inhalation	Acute local effects	10 mg/m3
SODIUM SULFATE	Workers	Inhalation	Long-term local effects, Long-term systemic effects	20 mg/m3
	Consumers	Inhalation	Long-term local effects, Long-term systemic effects	12 mg/m3
SODIUM C10-13 ALKYL BENZENESULFONATE	Workers	Inhalation	Long-term systemic effects, Long-term local effects	6 mg/m3
	Workers	Skin contact	Long-term systemic effects	85 mg/kg
	Consumers	Inhalation	Long-term systemic effects, Long-term local effects	1,5 mg/m3
	Consumers	Skin contact	Long-term systemic effects	42,5 mg/kg
SODIUM SILICATE	Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
	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/m3
	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
	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 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

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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
Melting point/range	: not determined
Boiling point/boiling range	: not determined
Flash point	: Not applicable
Evaporation rate	: not determined
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
Relative vapour density	: No data available
Density	: Not applicable
Bulk density	: 650 g/l
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	: No data available

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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

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.

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

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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 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.

Components:

SODIUM CARBONATE:

Species : Rabbit
Result : No skin irritation

Species : human skin
Result : No skin irritation

SODIUM SILICATE:

Result : Skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : Eye irritation

Components:

SODIUM SILICATE:

Result : Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

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Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : Not applicable

Components:

SODIUM SILICATE:

Result : negative

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.

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:

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- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l
Exposure time: 96 h
- Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): 2,4 mg/l
Exposure time: 72 h

SODIUM SILICATE:

- Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 1.108 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 1.700 mg/l
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.

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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 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

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- : Not applicable
461-3, France)

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

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 : Chronic aquatic toxicity
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Skin Corr. : Skin corrosion
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 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

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es; (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.

Responsible Department

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BE / EN