

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Sodium carbonate 497-19-8	207-838-8		>= 20- < 40 %	Serious eye irritation 2 H319
Sodiumpercarbonate 15630-89-4	239-707-6		>= 5- < 10 %	Oxidizing solids 2 H272 Acute toxicity 4, Oral H302
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	270-115-0		>= 5- < 10 %	Acute toxicity 4, Oral H302 Skin irritation 2 H315 Serious eye damage 1 H318 Chronic hazards to the aquatic environment 3 H412
Sodium silicate 1344-09-8	215-687-4		>= 1- < 5 %	Skin irritation 2 H315 Serious eye damage 1 H318 Specific target organ toxicity - single exposure 3: Inhalation H335
Alcohols, C13-15, ethoxylated 64425-86-1			>= 1- < 5 %	Acute toxicity 4, Oral H302 Serious eye damage 1 H318 Chronic hazards to the aquatic environment 3 H412

Until 1. June 2015 hazard classification according to Regulation (EC) No 1272/2008 (CLP) for ingredients is provided, if respective information is available already. No information on hazard classification does not imply that the respective ingredient is not classified. If no information on classification according to Regulation (EC) No 1272/2008 (CLP) is provided, please refer to hazard classification according to Directive 67/548/EEC.

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

Hazardous substances according to DPD (EC) No 1999/45:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Sodium carbonate 497-19-8	207-838-8		>= 20 - < 40 %	Xi - Irritant; R36
Sodiumpercarbonate 15630-89-4	239-707-6		>= 5 - < 10 %	O - Oxidizing; R8 Xn - Harmful; R22 Xi - Irritant; R41
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	270-115-0		>= 5 - < 10 %	Xn - Harmful; R22 Xi - Irritant; R38, R41
Sodium silicate 1344-09-8	215-687-4		>= 1 - < 5 %	Xi - Irritant; R37, R38, R41
Alcohols, C13-15, ethoxylated 64425-86-1			>= 1 - < 5 %	Xn - Harmful; R22 Xi - Irritant; R41

For full text of the R - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air. In case of breathing difficulties seek immediate medical advice.

Skin contact:

Rinse with water. Take off all clothing contaminated by the product.

7.1. Precautions for safe handling

No special measures required if used properly.

Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

Protective equipment only required in case of industrial use or for large packs (not for household packs)

7.2. Conditions for safe storage, including any incompatibilities

Store dry at between +5 and +40°C.

Consider national regulations.

7.3. Specific end use(s)

heavy duty detergent

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for

Turkey

Contains no components with occupational exposure limit values.

Attention: general dust limit value 6 mg/m³ (fine dust concentration)

8.2. Exposure controls

Respiratory protection:

If dust is produced wear P2 mask.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Wear tight fitting goggles.

Skin protection:

Protective clothing against chemicals. Observe manufacturer's instructions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The following data apply to the whole mixture.

Appearance	powder free-flowing white, speckles, blue
Odor	fresh
pH (20 °C (68 °F); Conc.: 10,0 % product; Solvent: Water)	<= 11
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable

Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium carbonate 497-19-8	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Sodiumpercarbonate 15630-89-4	LD50	> 2.000 mg/kg	dermal		rabbit	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	LD50	> 2.000 mg/kg	dermal		rat	
Alcohols, C13-15, ethoxylated 64425-86-1	LD50	> 2.000 mg/kg	dermal		rabbit	

Acute inhalative toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sodium carbonate 497-19-8	Acute toxicity estimate (ATE) LC50	5.1 mg/l	inhalation inhalation	2 h	rat	Expert judgement

Skin corrosion/irritation:

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Sodium carbonate 497-19-8	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Sodiumpercarbonate 15630-89-4	slightly irritating		rabbit	EPA Guideline
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	Category 2 (irritant)	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture was classified based on data of similar tested mixtures following the EU Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures, ECHA Guidance on the application of CLP criteria and A.I.S.E. recommendations. Relevant toxicological information on the substances listed under Section 3 is provided in the following.

The product has not to be classified and labeled as irritant to eyes based on data of a modified OECD 405 Test with a similar mixture.

Respiratory or skin sensitization:

Hazardous substances CAS-No.	Result	Test type	Species	Method
Sodiumpercarbonate 15630-89-4	not sensitising	Guinea pig maximisa- tion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	not sensitising		guinea pig	OECD Guideline 406 (Skin Sensitisation)
Sodium silicate 1344-09-8	not sensitising	Mouse local lymphnod- e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Toxicity (Daphnia):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium carbonate 497-19-8	EC50	200 - 227 mg/l	Daphnia	48 h	Ceriodaphnia sp.	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sodiumpercarbonate 15630-89-4	EC50	4,9 mg/l	Daphnia	48 h	Daphnia pulex	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Benzenesulfonic acid, C10-13- alkyl derivs., sodium salts 68411-30-3	EC50	2,9 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohols, C13-15, ethoxylated 64425-86-1	EC50	> 1 - 10 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Toxicity (Algae):

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sodium carbonate 497-19-8	EC50	137 mg/l	Algae	5 d	Nitzschia sp.	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sodiumpercarbonate 15630-89-4	EC50	70 mg/l	Algae	240 h	Chlorella emersonii	
Benzenesulfonic acid, C10-13- alkyl derivs., sodium salts 68411-30-3	NOEC	2,4 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
	EC50	127,9 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	
Alcohols, C13-15, ethoxylated 64425-86-1	EC50	> 1 - 10 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	ResultValue	Route of application	Degradability	Method
Benzenesulfonic acid, C10-13- alkyl derivs., sodium salts 68411-30-3	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Alcohols, C13-15, ethoxylated 64425-86-1	readily biodegradable	aerobic	83 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Declaration of ingredients according to Detergent Regulation 648/2004/EC

5 - 15 %	oxygen-based bleaching agent
< 5 %	anionic surfactants
	polycarboxylates
	non-ionic surfactants
	phosphonates
	soap
	zeolites
Further ingredients	Enzymes
	optical brighteners
	Perfumes
	Limonene

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R8 Contact with combustible material may cause fire.

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.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.