




**SALT FREE**



## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** SALT FREE
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Salt remover  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
DUROSTICK SA  
PATIMA KOROREMI  
193 00 ASPROPIRGOS, ATTICA - GREECE  
Phone.: 211 60 03 500-599 -  
Fax: 210 55 99 612  
info@durostick.gr  
www.durostick.gr
- 1.4 Emergency telephone number:** 210 7793 777

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
In accordance with Directive 67/548/EC and Directive 1999/45/EC, the product is not classified as dangerous.  
**CLP Regulation (EC) n° 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.  
Eye Irrit. 2: Eye irritation, Category 2
- 2.2 Label elements:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
In accordance with the legislation, the elements on the label are as follows:  
Not classified as dangerous. Safety data sheet available to professional users that request it.  
**CLP Regulation (EC) n° 1272/2008:**  
**Warning**  
  
**Hazard statements:**  
Eye Irrit. 2: 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  
P103: Read label before use  
P264: Wash thoroughly after use  
P280: Wear protective gloves/protective clothing/eye protection/face 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  
P337+P313: If eye irritation persists: Get medical advice/attention  
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment  
**Supplementary information:**  
Non-applicable
- 2.3 Other hazards:**  
Non-applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical description:** Miscellaneous products

**Components:**

- CONTINUED ON NEXT PAGE -



SALT FREE



### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continue)

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 5949-29-1 EC: Non-applicable Index: Non-applicable REACH: 01-2119457026-42-XXXX	<b>Citric Acid monohidrated</b> Directive 67/548/EC Xi: R36 Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	ATP CLP00 4,9 - <9,9 % ☒ !
CAS: 5329-14-6 EC: 226-218-8 Index: 016-026-00-0 REACH: 01-2119488633-28-XXXX	<b>Sulphamic acid</b> Directive 67/548/EC Xi: R36/38; R52/53 Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	ATP CLP00 4,9 - <9,9 % ☒ !
CAS: 2809-21-4 EC: 220-552-8 Index: Non-applicable REACH: 01-2119510391-53-XXXX	<b>Etidronic acid</b> Directive 67/548/EC Xi: R41; Xn: R22 Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Met. Corr. 1: H290 - Danger	0,9 - <2,4 % ☒ ! ⚠
CAS: 15763-76-5 EC: 239-854-6 Index: Non-applicable REACH: 01-2119489411-37-XXXX	<b>Sodium p-cumenesulphonate</b> Directive 67/548/EC Xi: R36 Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	0,9 - <2,4 % ☒ !
CAS: Non-applicable EC: 939-625-7 Index: Non-applicable REACH: 01-2119985168-23-XXXX	<b>Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt</b> Directive 67/548/EC Xi: R36/38; Xn: R22 Regulation 1272/2008 Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	0,9 - <2,4 % ☒ !
CAS: 5131-66-8 EC: 225-878-4 Index: 603-052-00-8 REACH: 01-2119475527-28-XXXX	<b>1-butoxypropan-2-ol</b> Directive 67/548/EC Xi: R36/38 Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	ATP CLP00 0,9 - <2,4 % ☒ !

To obtain more information on the risk of the substances consult sections 8, 11, 12 and 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

##### By inhalation:

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

##### By skin contact:

This product is not classified as dangerous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

##### By eye contact:

Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

##### By consumption:

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

- CONTINUED ON NEXT PAGE -



**SALT FREE**



## SECTION 5: FIREFIGHTING MEASURES (continue)

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

As a result of combustion or thermal decomposition reactive subproducts are created that can become highly toxic and, consequently, can present a serious health risk.

### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

### 6.2 Environmental precautions:

Avoid spillage into an aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into an aqueous medium notify the relevant authority.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### 6.4 Reference to other sections:

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

#### A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

#### B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

#### C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

#### D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

#### A.- Technical measures for storage

Minimum Temp.:	5 °C
Maximum Temp.:	30 °C
Maximum time:	24 Months

#### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

### 7.3 Specific end use(s):

- CONTINUED ON NEXT PAGE -



**SALT FREE**



**SECTION 7: HANDLING AND STORAGE (continue)**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the work environment

There are no environmental limits for the substances contained in the product

**DNEL (Workers):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sulphamic acid CAS: 5329-14-6 EC: 226-218-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	10 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Sodium p-cumenesulphonate CAS: 15763-76-5 EC: 239-854-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	7,6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	53,6 mg/m <sup>3</sup>	Non-applicable
1-butoxypropan-2-ol CAS: 5131-66-8 EC: 225-878-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	44 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	270,5 mg/m <sup>3</sup>	Non-applicable

**DNEL (Population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sulphamic acid CAS: 5329-14-6 EC: 226-218-8	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Etidronic acid CAS: 2809-21-4 EC: 220-552-8	Oral	6,5 mg/kg	Non-applicable	6,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable
Sodium p-cumenesulphonate CAS: 15763-76-5 EC: 239-854-6	Oral	Non-applicable	Non-applicable	3,8 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,8 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	13,2 mg/m <sup>3</sup>	Non-applicable
1-butoxypropan-2-ol CAS: 5131-66-8 EC: 225-878-4	Oral	Non-applicable	Non-applicable	8,75 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	16 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	33,8 mg/m <sup>3</sup>	Non-applicable

**PNEC:**

Identification				
Citric Acid monohydrated CAS: 5949-29-1 EC: Non-applicable	STP	1000 mg/L	Fresh water	0,44 mg/L
	Soil	33,1 mg/kg	Marine water	0,044 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	34,6 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3,46 mg/kg
Sulphamic acid CAS: 5329-14-6 EC: 226-218-8	STP	2 mg/L	Fresh water	0,048 mg/L
	Soil	0,00638 mg/kg	Marine water	0,0048 mg/L
	Intermittent	0,48 mg/L	Sediment (Fresh water)	0,173 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0173 mg/kg
Etidronic acid CAS: 2809-21-4 EC: 220-552-8	STP	20 mg/L	Fresh water	0,136 mg/L
	Soil	96 mg/kg	Marine water	0,014 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	59 mg/kg
	Oral	12000 g/kg	Sediment (Marine water)	5,9 mg/kg
Sodium p-cumenesulphonate CAS: 15763-76-5 EC: 239-854-6	STP	100 mg/L	Fresh water	0,23 mg/L
	Soil	Non-applicable	Marine water	Non-applicable
	Intermittent	2,3 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -



**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)**

Identification				
1-butoxypropan-2-ol	STP	10 mg/L	Fresh water	0,525 mg/L
CAS: 5131-66-8	Soil	0,16 mg/kg	Marine water	0,0525 mg/L
EC: 225-878-4	Intermittent	5,25 mg/L	Sediment (Fresh water)	2,36 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,236 mg/kg

**8.2 Exposure controls:**

**A.- General security and hygiene measures in the work place**

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding ""CE marking"" in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

**C.- Specific protection for the hands**

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves	CE CAT I	EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	Replace the gloves at any sign of deterioration.

**D.- Ocular and facial protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against liquid splash	CE CAT II	EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

**E.- Bodily protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I	EN ISO 13688:2013	For professional use only.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012 EN ISO 20344:2011	None

**F.- Additional emergency measures**

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2002	Eyewash stations	DIN 12 899 ISO 3864-1:2002

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D



**SALT FREE**




## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

#### Appearance:

Physical state at 20 °C: Liquid  
Appearance: Transparent  
Color:  Light blue  
Odor: Characteristic

#### Volatility:

Boiling point at atmospheric pressure: 102 °C  
Vapour pressure at 20 °C: 2332 Pa  
Vapour pressure at 50 °C: 12288 Pa (12 kPa)  
Evaporation rate at 20 °C: Non-applicable \*

#### Product description:

Density at 20 °C: 1050 kg/m<sup>3</sup>  
Relative density at 20 °C: 1,05  
Dynamic viscosity at 20 °C: Non-applicable \*  
Kinematic viscosity at 20 °C: Non-applicable \*  
Kinematic viscosity at 40 °C: Non-applicable \*  
Concentration: Non-applicable \*  
pH: Non-applicable \*  
Vapour density at 20 °C: Non-applicable \*  
Partition coefficient n-octanol/water 20 °C: Non-applicable \*  
Solubility in water at 20 °C: Non-applicable \*  
Solubility property: Non-applicable \*  
Decomposition temperature: Non-applicable \*  
Melting point/freezing point: Non-applicable \*

#### Flammability:

Flash Point: Non Flammable (>60 °C)  
Autoignition temperature: 240 °C  
Lower flammability limit: Non-applicable \*  
Upper flammability limit: Non-applicable \*

### 9.2 Other information:

Surface tension at 20 °C: Non-applicable \*  
Refraction index: Non-applicable \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

- CONTINUED ON NEXT PAGE -



**SALT FREE**



## SECTION 10: STABILITY AND REACTIVITY (continue)

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

No experimental information is available on the product itself in relation to the toxicological properties. When performing the danger classification on corrosive or irritant effects the recommendations included in section 3.2.5 of Annex VI of Directive 67/548/EC, in paragraphs b) and c) of section 3 of article 6 of Directive 1999/45/EC and in section 3.2.3.3.5. of Annex I of CLP Regulation were taken into account.

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

#### A- Ingestion:

Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

#### B- Inhalation:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

#### C- Contact with the skin and the eyes:

Produces eye damage after contact.

#### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

#### E- Sensitizing effects:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.

#### F- Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### G- Specific target organ toxicity (STOT)-repeated exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Non-applicable

#### Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -



**SALT FREE**



**SECTION 11: TOXICOLOGICAL INFORMATION (continue)**

Identification	Acute toxicity		Genus
Citric Acid monohidrated CAS: 5949-29-1 EC: Non-applicable	LD50 oral	3000 mg/kg	Rat
	LD50 dermal	5500 mg/kg	Rat
	LC50 inhalation	Non-applicable	
Sulphamidic acid CAS: 5329-14-6 EC: 226-218-8	LD50 oral	3160 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Etidronic acid CAS: 2809-21-4 EC: 220-552-8	LD50 oral	1878 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt CAS: Non-applicable EC: 939-625-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
1-butoxypropan-2-ol CAS: 5131-66-8 EC: 225-878-4	LD50 oral	3771 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the ecotoxicological properties of the product itself is not available

**12.1 Toxicity:**

Identification	Acute toxicity		Specie	Genus
Citric Acid monohidrated CAS: 5949-29-1 EC: Non-applicable	LC50	1516 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	120 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Sulphamidic acid CAS: 5329-14-6 EC: 226-218-8	LC50	70,3 mg/L (96 h)	Pimephales promelas	Fish
	EC50	Non-applicable		
	EC50	Non-applicable		
Etidronic acid CAS: 2809-21-4 EC: 220-552-8	LC50	2180 mg/L (96 h)	Pimephales promelas	Fish
	EC50	527 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt CAS: Non-applicable EC: 939-625-7	LC50	Non-applicable		
	EC50	421 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
Citric Acid monohidrated CAS: 5949-29-1 EC: Non-applicable	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Non-applicable	% Biodegradable	72 %
Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt CAS: Non-applicable EC: 939-625-7	BOD5	Non-applicable	Concentration	20 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	75 %
1-butoxypropan-2-ol CAS: 5131-66-8 EC: 225-878-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	89 %

**12.3 Bioaccumulative potential:**

Identification	Bioaccumulation potential	
Citric Acid monohidrated CAS: 5949-29-1 EC: Non-applicable	BCF	3
	Pow Log	-1,64
	Potential	Low

- CONTINUED ON NEXT PAGE -





**SALT FREE**



## SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Bioaccumulation potential	
1-butoxypropan-2-ol	BCF	0,8
CAS: 5131-66-8	Pow Log	
EC: 225-878-4	Potential	Low

### 12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Citric Acid monohydrated	Koc	3,1	Henry	4,3E-14 Pa·m <sup>3</sup> /mol
CAS: 5949-29-1	Conclusion	Very High	Dry soil	No
EC: Non-applicable	Surface tension	Non-applicable	Moist soil	No

### 12.5 Results of PBT and vPvB assessment:

Non-applicable

### 12.6 Other adverse effects:

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Code	Description	Waste class (Directive 2008/98/EC)
20 01 29*	Detergents containing dangerous substances	Dangerous

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

## SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

## SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

#### Regulation (EC) n°648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

#### Contents labelled:

Component	Concentration interval
Phosphonates	% (w/w) < 5
Non-ionic surfactants	% (w/w) < 5
Anionic surfactants	% (w/w) < 5
Perfum	

- CONTINUED ON NEXT PAGE -



**SALT FREE**



## SECTION 15: REGULATORY INFORMATION (continue)

### Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable

### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

### Other legislation:

Non-applicable

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION

### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

### Modifications related to the previous security card which concerns the ways of managing risks. :

Non-applicable

### Text of R-phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

### Directive 67/548/EC and Directive 1999/45/EC:

- R22: Harmful if swallowed
- R36: Irritating to eyes
- R36/38: Irritating to eyes and skin
- R41: Risk of serious damage to eyes
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### CLP Regulation (EC) n° 1272/2008:

- Acute Tox. 4: H302 - Harmful if swallowed
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
- Eye Dam. 1: H318 - Causes serious eye damage
- Eye Irrit. 2: H319 - Causes serious eye irritation
- Met. Corr. 1: H290 - May be corrosive to metals
- Skin Irrit. 2: H315 - Causes skin irritation

### Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### Principal bibliographical sources:

- <http://esis.jrc.ec.europa.eu>
- <http://echa.europa.eu>
- <http://eur-lex.europa.eu>

### Abbreviations and acronyms:



**SALT FREE**



**SECTION 16: OTHER INFORMATION (continue)**

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- CL50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log-POW: Octanol–water partition coefficient
- Koc: Partition coefficient of organic carbon

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -