MEDISEPT

Viruton Pulver

Date of compilation: 06/03/2017 Revised: 05/08/2021 Version: 6 (Replaced 5)

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

1.1 Product identifier: Viruton Pulver

Other means of identification:

Non-applicable

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

Relevant uses: Disinfectant cleaner. For professional users only.

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:

MEDISEPT Sp. z o.o.
Konopnica 159c
21-030 Motycz - lubelskie - Polska
Phone: +48 81 535 22 92
g.gromadzki@medisept.pl
https://medisept.pl/

1.4 Emergency telephone number: +48 81 535 22 92 at time: 8.00 a.m. – 4.00. p.m.
112 (general emergency number)

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302
Eye Dam. 1: Serious eye damage, Category 1, H318

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger

Hazard statements:

Acute Tox. 4: H302 - Harmful if swallowed.
Eye Dam. 1: H318 - Causes serious eye damage.

Precautionary statements:

P270: Do not eat, drink or smoke when using this product.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

*** Changes with regards to the previous version*

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Peroxides, inorganic

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 15630-89-4 EC: 239-707-6 Index: Non-applicable REACH: 01-2119457268-30-XXXX	**Disodium carbonate, compound with hydrogen peroxide (2:3)[1]**	Self-classified	**25 - <50 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Ox. Sol. 2: H272 - Danger	
CAS: 124-04-9 EC: 204-673-3 Index: 607-144-00-9 REACH: 01-2119457561-38-XXXX	**adipic acid[1]**	ATP CLP00	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 68131-40-8 EC: 614-295-4 Index: Non-applicable REACH: 01-2119560577-29-XXXX	**Alcohols, C11-15-secondary, ethoxylated[1]**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	
CAS: 3794-83-0 EC: 223-267-7 Index: Non-applicable REACH: 01-2119647955-23-XXXX	**tetrasodium (1-hydroxyethylidene)bisphosphonate[1]**	Self-classified	**2,5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 497-19-8 EC: 207-838-8 Index: 011-005-00-2 REACH: 01-2119485498-19-XXXX	**sodium carbonate[1]**	ATP CLP00	**1 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 7601-54-9 EC: 231-509-8 Index: Non-applicable REACH: 01-2119489800-32-XXXX	**Trisodium orthophosphate[1]**	Self-classified	**1 - <2,5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 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 SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

This product is not classified as hazardous 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 if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with lukewarm 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, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

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

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. Use preferably water.

Unsuitable extinguishing media:

Chemical extinguishers or foam.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products 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 self-contained breathing apparatus (SCBA). 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. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, 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:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

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

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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 ºC

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SECTION 7: HANDLING AND STORAGE (continued)

Maximum Temp.: 25 ºC

Maximum time: 36 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):

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 workplace (European OEL, not country-specific legislation):

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Disodium carbonate, compound with hydrogen peroxide (2:3)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 15630-89-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 239-707-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	5 mg/m³
adipic acid	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 124-04-9	Dermal	Non-applicable	Non-applicable	21 mg/kg	Non-applicable
EC: 204-673-3	Inhalation	Non-applicable	Non-applicable	74,1 mg/m³	Non-applicable
Alcohols, C11-15-secondary, ethoxylated	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 68131-40-8	Dermal	Non-applicable	Non-applicable	6 mg/kg	Non-applicable
EC: 614-295-4	Inhalation	Non-applicable	Non-applicable	42,32 mg/m³	Non-applicable
tetrasodium (1-hydroxyethylidene)bisphosphonate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 3794-83-0	Dermal	Non-applicable	Non-applicable	48 mg/kg	Non-applicable
EC: 223-267-7	Inhalation	Non-applicable	Non-applicable	16,9 mg/m³	10 mg/m³
sodium carbonate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 497-19-8	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 207-838-8	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m³
Trisodium orthophosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7601-54-9	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 231-509-8	Inhalation	Non-applicable	Non-applicable	17,87 mg/m³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
adipic acid	Oral	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
CAS: 124-04-9	Dermal	Non-applicable	Non-applicable	7,5 mg/kg	Non-applicable
EC: 204-673-3	Inhalation	Non-applicable	Non-applicable	13 mg/m³	Non-applicable
Alcohols, C11-15-secondary, ethoxylated	Oral	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
CAS: 68131-40-8	Dermal	Non-applicable	Non-applicable	3 mg/kg	Non-applicable
EC: 614-295-4	Inhalation	Non-applicable	Non-applicable	21,16 mg/m³	Non-applicable
tetrasodium (1-hydroxyethylidene)bisphosphonate	Oral	Non-applicable	Non-applicable	2,4 mg/kg	Non-applicable
CAS: 3794-83-0	Dermal	Non-applicable	Non-applicable	24 mg/kg	Non-applicable
EC: 223-267-7	Inhalation	Non-applicable	Non-applicable	4,2 mg/m³	10 mg/m³
sodium carbonate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 497-19-8	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 207-838-8	Inhalation	Non-applicable	10 mg/m³	Non-applicable	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trisodium orthophosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7601-54-9	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 231-509-8	Inhalation	Non-applicable	Non-applicable	7,66 mg/m³	Non-applicable

PNEC:

Identification				
Disodium carbonate, compound with hydrogen peroxide (2:3)	STP	16,24 mg/L	Fresh water	0,035 mg/L
CAS: 15630-89-4	Soil	Non-applicable	Marine water	0,035 mg/L
EC: 239-707-6	Intermittent	0,035 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
adipic acid	STP	Non-applicable	Fresh water	0,126 mg/L
CAS: 124-04-9	Soil	0,021 mg/kg	Marine water	0,013 mg/L
EC: 204-673-3	Intermittent	0,46 mg/L	Sediment (Fresh water)	0,474 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,047 mg/kg
Alcohols, C11-15-secondary, ethoxylated	STP	8,24 mg/L	Fresh water	0,02 mg/L
CAS: 68131-40-8	Soil	5,6 mg/kg	Marine water	0,002 mg/L
EC: 614-295-4	Intermittent	0,0153 mg/L	Sediment (Fresh water)	28,1 mg/kg
	Oral	0,0222 g/kg	Sediment (Marine water)	2,81 mg/kg
tetrasodium (1-hydroxyethylidene)bisphosphonate	STP	58 mg/L	Fresh water	0,096 mg/L
CAS: 3794-83-0	Soil	14 mg/kg	Marine water	0,01 mg/L
EC: 223-267-7	Intermittent	Non-applicable	Sediment (Fresh water)	193 mg/kg
	Oral	0,0053 g/kg	Sediment (Marine water)	19,3 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective 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 occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CE CAT I		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+ A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

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

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

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:	Solid
Appearance:	Powdery
Colour:	☐ White
Odour:	Not available
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	600 - 700 kg/m³
Relative density at 20 °C:	2
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *

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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

pH:	7,25 - 8,75 (at 1 %)
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non-applicable
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	360 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Explosive:	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable *

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	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 because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

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

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	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Precaution	Avoid alkalis or strong bases

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SECTION 10: STABILITY AND REACTIVITY (continued)

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 (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Dangerous health implications:

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

A- Ingestion (acute effect):

- Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : 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.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious eye damage after contact.

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

- Carcinogenicity: 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.
  IARC: Non-applicable
- Mutagenicity: 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.
- Reproductive toxicity: 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.

E- Sensitizing effects:

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

F- Specific target organ toxicity (STOT) - single exposure:

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

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

- 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.
- Skin: 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

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Disodium carbonate, compound with hydrogen peroxide (2:3)	LD50 oral	1034 mg/kg	Rat
CAS: 15630-89-4	LD50 dermal	Non-applicable	
EC: 239-707-6	LC50 inhalation	Non-applicable	
sodium carbonate	LD50 oral	2800 mg/kg	Rat
CAS: 497-19-8	LD50 dermal	Non-applicable	
EC: 207-838-8	LC50 inhalation	Non-applicable	
tetrasodium (1-hydroxyethylidene)bisphosphonate	LD50 oral	1219 mg/kg	Rat
CAS: 3794-83-0	LD50 dermal	Non-applicable	
EC: 223-267-7	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Contains phosphates. Excessive discharge may cause eutrophication.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
sodium carbonate	LC50	740 mg/L (96 h)	Gambussia afinis	Fish
CAS: 497-19-8	EC50	265 mg/L (48 h)	Daphnia magna	Crustacean
EC: 207-838-8	EC50	Non-applicable		

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
adipic acid	Koc	Non-applicable	Henry	Non-applicable
CAS: 124-04-9	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-673-3	Surface tension	1,543E-2 N/m (245,1 ºC)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 29*	detergents containing hazardous substances	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity, HP4 Irritant — skin irritation and eye damage

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 (2014/955/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 recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION **

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

14.1	**UN number:**	Non-applicable
14.2	**UN proper shipping name:**	Non-applicable
14.3	**Transport hazard class(es):**	Non-applicable
	Labels:	Non-applicable
14.4	**Packing group:**	Non-applicable
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	Non-applicable
	Tunnel restriction code:	Non-applicable
	Physico-Chemical properties:	see section 9
	Limited quantities:	Non-applicable
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:

*** Changes with regards to the previous version*

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SECTION 14: TRANSPORT INFORMATION ** (continued)

14.1	**UN number:**	UN1479
14.2	**UN proper shipping name:**	OXIDIZING SOLID, N.O.S. (Disodium carbonate, compound with hydrogen peroxide (2:3))
14.3	**Transport hazard class(es):**	5.1
	Labels:	5.1
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274, 900
	EmS Codes:	F-A, S-Q
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 kg
	Segregation group:	Non-applicable
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:

14.1	**UN number:**	UN1479
14.2	**UN proper shipping name:**	OXIDIZING SOLID, N.O.S. (Disodium carbonate, compound with hydrogen peroxide (2:3))
14.3	**Transport hazard class(es):**	5.1
	Labels:	5.1
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Non-applicable

*** Changes with regards to the previous version*

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) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Regulation (EC) No 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) nº648/2004 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.

Labelling for contents:

Component	Concentration interval
Oxygen-based bleaching agents	% (w/w) >= 30
Non-ionic surfactants	% (w/w) < 5
Phosphonates	% (w/w) < 5
Phosphates	% (w/w) < 5
Enzymes	

Seveso III:

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SECTION 15: REGULATORY INFORMATION (continued)

Non-applicable

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

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 a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

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:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Substances that contribute to the classification (SECTION 2):

· Removed substances

Disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)
tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)
Alcohols, C11-15-secondary, ethoxylated (68131-40-8)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

· Pictograms
· Hazard statements

TRANSPORT INFORMATION (SECTION 14):

· UN number
· Packing group

Texts of the legislative phrases mentioned in section 2:

H302: Harmful if swallowed.
H318: Causes serious eye damage.

Texts of the legislative phrases mentioned 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

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Ox. Sol. 2: H272 - May intensify fire, oxidiser.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H335 - May cause respiratory irritation.

Advice related to training:

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

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

*** Changes with regards to the previous version*

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SECTION 16: OTHER INFORMATION ** (continued)

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: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

The information contained in this safety 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 safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -