



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

- 1.1 Product identifier:** APPMP XHPH  
EHRLE GmbH
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Bodywork cleaning. For professional use 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:** EHRLE GmbH  
Siemensstraße 9  
89257 Illertissen/ Germany  
Tel.: +49 7303-1600-0  
Fax: +49 7303-1600-60  
info@ehrle.com  
www.ehrle.com
- 1.4 Emergency telephone number:** Tel.: +49 07303-1600-0

## SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
This product was classified in accordance with Directive 67/548/EC and Directive 1999/45/EC, adapting the requirements to Regulation (EC) n°1907/2006 (REACH regulation).  
Xi: R38 - Irritating to skin, R41 - Risk of serious damage to eyes
- CLP Regulation (EC) n° 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.  
Eye Dam. 1: Serious eye damage, Category 1  
Skin Corr. 1B: Dermal corrosion, Category 1B
- 2.2 Label elements:**  
**CLP Regulation (EC) n° 1272/2008:**  
**Danger**
- 
- Hazard indications:**  
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
- Cautionary advice:**  
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P310: Immediately call a POISON CENTER or doctor/physician  
P363: Wash contaminated clothing before reuse  
P405: Store locked up
- Supplementary information:**  
Non-applicable
- Substances that contribute to the classification**  
Disodium metasilicate
- 2.3 Other hazards:**  
Non-applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical description:** Mixture composed of inorganic substances

**Components:**

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### 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: 497-19-8 EC: 207-838-8 Index: 011-005-00-2 REACH:01-2119485498-19-XXXX	<b>Sodium carbonate</b> ATP CLP00	30 - <50 %
	Directive 67/548/EC Xi: R36	
	Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	
CAS: 6834-92-0 EC: 229-912-9 Index: 014-010-00-8 REACH:01-2119449811-37-XXXX	<b>Disodium metasilicate</b> ATP CLP00	5 - <15 %
	Directive 67/548/EC C: R34; Xi: R37	
	Regulation 1272/2008 Skin Corr. 1B: H314; STOT SE 3: H335 - Danger	
CAS: 68411-30-3 EC: 270-115-0 Index: Non-applicable REACH:01-2119489428-22-XXXX	<b>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</b> Self-classified	1 - <5 %
	Directive 67/548/EC Xi: R38, R41; Xn: R22	
	Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	
CAS: 93-18-5 EC: 202-226-7 Index: Non-applicable REACH:Non-applicable	<b>Ethyl 2-naphthyl ether</b> Self-classified	<1 %
	Directive 67/548/EC N: R51/53; Xi: R38	
	Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

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:

Request medical assistance immediately, showing the MSDS of this product.

##### By inhalation:

This product is not classified as dangerous through inhalation, however, it is recommended in case of intoxication symptoms 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:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

##### 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:

Request immediate medical assistance, showing the MSDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and its inhalation, to the respiratory system. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administrate anything orally unless supervised by a doctor. 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

### 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.

#### 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:

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## SECTION 5: FIREFIGHTING MEASURES (continue)

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:**

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

### **6.2 Environmental precautions:**

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.

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

It is recommended:

Sweep up and shovel product or 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 with regards manually handling weights. Maintain order, cleanliness and destroy using safe methods (section 6).

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

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.

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

A.- Technical measures for storage

Minimum Temp.: 5 °C  
Maximum Temp.: 40 °C  
Maximum time: 24 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food

### **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:**

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

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
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	10 mg/m <sup>3</sup>
Disodium metasilicate CAS: 6834-92-0 EC: 229-912-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,49 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6,22 mg/m <sup>3</sup>	Non-applicable
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	170 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	12 mg/m <sup>3</sup>	12 mg/m <sup>3</sup>

**DNEL (Population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	10 mg/m <sup>3</sup>	Non-applicable	Non-applicable
Disodium metasilicate CAS: 6834-92-0 EC: 229-912-9	Oral	Non-applicable	Non-applicable	0,74 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,74 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1,55 mg/m <sup>3</sup>	Non-applicable
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	Oral	Non-applicable	Non-applicable	0,85 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	85 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

**PNEC:**

Identification					
Disodium metasilicate CAS: 6834-92-0 EC: 229-912-9	STP	1000 mg/L	Fresh water	7,5 mg/L	
	Soil	Non-applicable	Marine water	1 mg/L	
	Intermittent	7,5 mg/L	Sediment (Fresh water)	Non-applicable	
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	STP	3,43 mg/L	Fresh water	0,268 mg/L	
	Soil	35 mg/kg	Marine water	0,0268 mg/L	
	Intermittent	0,0167 mg/L	Sediment (Fresh water)	8,1 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	8,1 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

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

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

### D.- Ocular and facial protection

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against liquid splash		EN 166:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN 165:2005	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

### E.- Bodily protection

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing		EN 340:2003	For professional use only.
	Anti-slip work shoes		EN ISO 20347:2004/A1:2007 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

### Volatil organic compounds:

With regard to Directive 1999/13/EC, this product has the following characteristics:

V.O.C. (Supply):	0,17 % weight
V.O.C. density at 20 °C:	0,96 kg/m <sup>3</sup> (0,96 g/L)
Average carbon number:	9,09
Average molecular weight:	158,21 g/mol

## 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:	Crystalline
Color:	 Blue
Odor:	Fruity

#### 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:	550 - 610 kg/m <sup>3</sup>
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\*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 (continue)

Relative density at 20 °C:	1,987
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:	11 - 13 to 1 %
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 *

### Flammability:

Flash Point:	Non Flammable (>60 °C)
Autoignition temperature:	279 °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.

### 10.3 Possibility of hazardous reactions:

Under the conditions no hazardous reactions are expected to produce a pressure or excessive temperatures.

### 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	Precaution	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:

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## SECTION 11: TOXICOLOGICAL INFORMATION (continue)

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:

Corrosive product, its consumption causes burns destroying the full thickness of fabrics. For more information on the secondary effects of contact with the skin see section 2.

### B- Inhalation:

Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

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

Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.

### 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 sensibilizing 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:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	LD50 oral	4090 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	LD50 oral	1260 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Ethyl 2-naphthyl ether CAS: 93-18-5 EC: 202-226-7	LD50 oral	3110 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 mixture itself is not available

### 12.1 Toxicity:

Identification	Acute toxicity		Specie	Genus
	LC50	EC50		
Sodium carbonate CAS: 497-19-8 EC: 207-838-8	LC50	740 mg/L (96 h)	Gambusia affinis	Fish
	EC50	265 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Disodium metasilicate CAS: 6834-92-0 EC: 229-912-9	LC50	210 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	216 mg/L (96 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	LC50	1,67 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	2,9 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	29 mg/L (96 h)	Selenastrum capricornutum	Alga

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## SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Acute toxicity		Specie	Genus
Ethyl 2-naphthyl ether CAS: 93-18-5 EC: 202-226-7	LC50	1 - 10 mg/L (96 h)		Fish
	EC50	1 - 10 mg/L		Crustacean
	EC50	1 - 10 mg/L		Alga

### 12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	BOD5	Non-applicable	Concentration	34,3 mg/L
	Code	Non-applicable	Period	29 days
	BOD5/COD	Non-applicable	% Biodegradable	89 %

### 12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS: 68411-30-3 EC: 270-115-0	BCF	2
	Pow Log	3,32
	Potential	Low

### 12.4 Mobility in soil:

Not available

### 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)
16 03 03*	Inorganic wastes 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 recommended 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

### Transport of dangerous goods by land:

With regard to ADR 2013 and RID 2013:

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## SECTION 14: TRANSPORT INFORMATION (continue)



- 14.1 UN number:** UN1759  
**14.2 UN proper shipping name:** CORROSIVE SOLID, N.O.S. (Disodium metasilicate)  
**14.3 Transport hazard class(es):** 8  
 Labels: 8  
**14.4 Packing group:** II  
**14.5 Dangerous for the environment:** No  
**14.6 Special precautions for user**  
 Special regulations: 274  
 Tunnel restriction code: E  
 Physico-Chemical properties: see section 9  
 Limited quantities: 1 kg  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

### Transport of dangerous goods by sea:

With regard to IMDG 36-12:



- 14.1 UN number:** UN1759  
**14.2 UN proper shipping name:** CORROSIVE SOLID, N.O.S. (Disodium metasilicate)  
**14.3 Transport hazard class(es):** 8  
 Labels: 8  
**14.4 Packing group:** II  
**14.5 Dangerous for the environment:** No  
**14.6 Special precautions for user**  
 Special regulations: 274, 944  
 EmS Codes: F-A, S-B  
 Physico-Chemical properties: see section 9  
 Limited quantities: 1 kg  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

### Transport of dangerous goods by air:

With regard to IATA/ICAO 2014:



- 14.1 UN number:** UN1759  
**14.2 UN proper shipping name:** CORROSIVE SOLID, N.O.S. (Disodium metasilicate)  
**14.3 Transport hazard class(es):** 8  
 Labels: 8  
**14.4 Packing group:** II  
**14.5 Dangerous for the environment:** No  
**14.6 Special precautions for user**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Non-applicable

## 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) 689/2008, in relation to the import and export of hazardous chemical products: Non-applicable

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## SECTION 15: REGULATORY INFORMATION (continue)

### 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
Phosphates	15 ≤ % (w/w) < 30
Anionic surfactants	% (w/w) < 5
Polycarboxylate	% (w/w) < 5
Perfumes	

### 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:

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

- R22: Harmful if swallowed
- R34: Causes burns
- R36: Irritating to eyes
- R37: Irritating to respiratory system
- R38: Irritating to skin
- R41: Risk of serious damage to eyes
- R51/53: Toxic 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 2: H411 - Toxic to aquatic life with long lasting effects
- Eye Dam. 1: H318 - Causes serious eye damage
- Eye Irrit. 2: H319 - Causes serious eye irritation
- Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
- Skin Irrit. 2: H315 - Causes skin irritation
- STOT SE 3: H335 - May cause respiratory 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:

- CONTINUED ON NEXT PAGE -



## SECTION 16: OTHER INFORMATION (continue)

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

### Abbreviations and acronyms:

- 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 -