

	SELLADOR TUBOS ESCAPE 100GR Code: 12232	
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Version: 4 Revision: 10/07/2014

Previous revision: 22/05/2013

Date of printing: 10/07/2014

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

1.1	PRODUCT IDENTIFIER: SELLADOR TUBOS ESCAPE 100GR Code: 12232
1.2	RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST: <u>Intended uses (main technical functions):</u> [] Industrial [X] Professional [X] Consumers Adhesive. <u>Uses advised against:</u> # <i>This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'. If your use is not covered, please contact the supplier of this material safety data sheet.</i> <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> # <i>Not restricted.</i>
1.3	DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: KRAFFT, S.L. Unipersonal Carretera de Urnieta, s/nº - Apartado 14 - 20140 - Andoain (Gipuzkoa) Phone: +34 943 410400 - Fax: +34 943 410440 <u>E-mail address of the person responsible for the safety data sheet:</u> msds@krafft.es
1.4	EMERGENCY TELEPHONE NUMBER: +34 943 410400 (8:00-17:00 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION


2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: <u>Classification in accordance with Regulation (EC) No. 1272/2008-286/2011 (CLP):</u> WARNING: Skin Irrit. 2:H315 Eye Irrit. 2:H319					
	Danger class	Classification of the mixture	Cat.	Routes of exposure	Target organs	Effects
	<u>Physicochemical:</u> Not classified	Skin Irrit. 2:H315 Eye Irrit. 2:H319	Cat.2 Cat.2	Skin Eyes	Skin Eyes	Irritation Irritation
	<u>Human health:</u> 					
	<u>Environment:</u> Not classified					

Classification in accordance with Directive 1999/45/EC-2006/8/EC (DPD):
 Xi:R36/38




Full text of hazard statements and risk phrases mentioned is indicated in section 16.

2.2	LABEL ELEMENTS: 		This product is labelled with the signal word WARNING in accordance with Regulation (EC) No. 1272/2008-286/2011 (CLP)
	<u>Hazard statements:</u> H319 H315	Causes serious eye irritation. Causes skin irritation.	
	<u>Precautionary statements:</u> P101 P102 P103 P280B P303+P361+P353-P352 P332+P313 P305+P351+P338 P337+P313	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Wear protective gloves and eye protection . IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.	
	<u>Supplementary statements:</u> None.		
	<u>Hazardous ingredients:</u> None in a percentage equal to or higher than the limit for the name.		

2.3	OTHER HAZARDS: Hazards which do not result in classification but which may contribute to the overall hazards of the mixture: <u>Other physicochemical hazards:</u> # <i>No other relevant adverse effects are known.</i> <u>Other adverse human health effects:</u> # <i>No other relevant adverse effects are known.</i> <u>Other negative environmental effects:</u>
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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1	<p><u>SUBSTANCES:</u> Not applicable (mixture).</p>			
3.2	<p><u>MIXTURES:</u> # <i>This product is a mixture.</i> <u>Chemical description:</u> Solution of sodium polysilicate 2.6<Rm<3.2 in aqueous media. <u>Hazardous ingredients:</u> Substances taking part in a percentage higher than the exemption limit:</p> <table border="0"> <tr> <td style="vertical-align: top;"> 20 < 25 %  </td> <td style="vertical-align: top;"> Sodium polysilicate 2.6<Rm<3.2 CAS: 1344-09-8 , EC: 215-687-4 DSD: Xi:R36/37/38 CLP: Warning: Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335 </td> <td style="vertical-align: top; text-align: right;"> Autoclassified < REACH < REACH </td> </tr> </table> <p><u>Impurities:</u> # <i>Does not contain other components or impurities which will influence the classification of the product.</i> <u>Reference to other sections:</u> For more information, see sections 8, 11, 12 and 16.</p> <p><u>SUBSTANCES OF VERY HIGH CONCERN (SVHC):</u> # <i>List updated by ECHA on 16/12/2013.</i> <u>Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None <u>Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None</p>	20 < 25 % 	Sodium polysilicate 2.6<Rm<3.2 CAS: 1344-09-8 , EC: 215-687-4 DSD: Xi:R36/37/38 CLP: Warning: Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335	Autoclassified < REACH < REACH
20 < 25 % 	Sodium polysilicate 2.6<Rm<3.2 CAS: 1344-09-8 , EC: 215-687-4 DSD: Xi:R36/37/38 CLP: Warning: Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335	Autoclassified < REACH < REACH		

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SECTION 4 : FIRST AID MEASURES



4.1 4.2	<p>DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:</p> <p> <i># Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.</i></p>	
	<p>Route of exposure</p> <p><u>Inhalation:</u></p> <p><u>Skin:</u> </p> <p><u>Eyes:</u> </p> <p><u>Ingestion:</u></p>	<p>Symptoms and effects, acute and delayed</p> <p>Normally does not produce symptoms.</p> <p>Skin contact causes redness.</p> <p>Contact with the eyes produces redness and pain.</p> <p>If swallowed, may cause irritation of the mouth, throat and esophagus.</p>
		<p>Description of first-aid measures</p> <p>Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.</p> <p>Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.</p> <p>Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Remove contact lenses. Call a physician immediately.</p> <p>If swallowed, seek medical advice immediately and show container or label. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.</p>
4.3	<p>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:</p> <p><u>Notes to physician:</u> <i># Treatment should be directed at the control of symptoms and the clinical condition of the patient.</i></p> <p><u>Antidotes and contraindications:</u> <i># Specific antidote not know.</i></p>	

SECTION 5 : FIRE-FIGHTING MEASURES

Not combustible.	
5.1	<p>EXTINGUISHING MEDIA:</p> <p>In the case of fire in the surroundings, all extinguishing agents are allowed.</p>
5.2	<p>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:</p> <p>Not applicable.</p>
5.3	<p>ADVICE FOR FIREFIGHTERS:</p> <p><u>Special protective equipment:</u> <i># Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.</i></p> <p><u>Other recommendations:</u> Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.</p>

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1	<p>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</p> <p>Avoid direct contact with this product.</p>
6.2	<p>ENVIRONMENTAL PRECAUTIONS:</p> <p>Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.</p>
6.3	<p>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</p> <p>Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc..). Avoid use of solvents. Keep the remains in a closed container.</p>
6.4	<p>REFERENCE TO OTHER SECTIONS:</p> <p>For contact information in case of emergency, see section 1.</p> <p>For information on safe handling, see section 7.</p> <p>For exposure controls and personal protection measures, see section 8.</p> <p>For subsequent waste disposal, follow the recommendations in section 13.</p>

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SECTION 7 : HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
 Comply with the existing legislation on health and safety at work.
General recommendations:
 Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
 Not applicable.
Recommendations for the prevention of toxicological risks:
 Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
 It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
 Prevent unauthorized access. Keep out of reach of children. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.
Class of store : According to current legislation.
Maximum storage period : # 1. years
Temperature interval : min: 5. °C, max: 40. °C (recommended).
Incompatible materials:
 Keep away from acids.
Type of packaging:
 According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:
 Lower threshold: 50 tons , Upper threshold: 200 tons

7.3 SPECIFIC END USES:
 For the use of this product do not exist particular recommendations apart from that already indicated.

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8.2 EXPOSURE CONTROLS:

ENGINEERING MEASURES:



Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Protection of respiratory system: # Avoid the inhalation of product.

Protection of eyes and face: It is recommended to dispose of water taps or sources with clean water close to the working area.

Protection of hands and skin: It is recommended to dispose of water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc..), you should consult the informative brochures provided by the manufacturers of PPE.

Mask:

No.

Goggles:



Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

Face shield:

No.

Gloves:



Gloves resistant against chemicals (EN374). When it can be a repeated or prolonged contact, it is recommended to use gloves with a protection level 5 or higher, with a breakthrough time >240 min. When you only expects a short contact, it is recommended to use gloves with a protection level 2 or higher, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

Boots:

No.

Apron:

No.

Clothing:

Advisable.

Thermal hazards:

Not applicable (the product is handled at room temperature).



ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Not applicable.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p><u>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</u></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Physical state : Paste. - Colour : Beige. - Odour : Characteristic - Odour threshold : Not available (mixture). <p><u>pH-value</u></p> <ul style="list-style-type: none"> - pH : Not applicable <p><u>Change of state</u></p> <ul style="list-style-type: none"> - Melting point : Not applicable (mixture). - Initial boiling point : > 100. °C at 760 mmHg <p><u>Density</u></p> <ul style="list-style-type: none"> - Relative density : 1.66 at 20/4°C Relative water <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature : Not applicable <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> - Viscosity (flow time) : # <i>Not applicable</i> <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Vapour pressure : 17.5 mmHg at 20°C - Vapour pressure : 12.3 kPa at 50°C <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> - Solubility in water: : Miscible - Solubility in oils and fats: : Not available <p><u>Flammability:</u></p> <ul style="list-style-type: none"> - Flash point : Not flammable - Autoignition temperature : Not applicable <p><u>Explosive properties:</u></p> <p>Not available.</p> <p><u>Oxidizing properties:</u></p> <p># <i>Based on the chemical structure of the ingredients of the mixture, is unable to react with combustible materials.</i></p>
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9.2	<p><u>OTHER INFORMATION:</u></p> <ul style="list-style-type: none"> - Solids : 63. % Weight <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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SECTION 10 : STABILITY AND REACTIVITY

10.1	<p><u>REACTIVITY:</u></p> <p><u>Corrosivity to metals:</u> # <i>It is not corrosive to metals.</i></p> <p><u>Pyrophorical properties:</u> # <i>It is not pyrophoric.</i></p>
10.2	<p><u>CHEMICAL STABILITY:</u></p> <p>Stable under recommended storage and handling conditions.</p>
10.3	<p><u>POSSIBILITY OF HAZARDOUS REACTIONS:</u></p> <p>Possible dangerous reaction with acids.</p>
10.4	<p><u>CONDITIONS TO AVOID:</u></p> <p><u>Light:</u> Not applicable.</p> <p><u>Air:</u> Not applicable.</p> <p><u>Pressure:</u> Not applicable.</p> <p><u>Shock:</u> Not applicable.</p>
10.5	<p><u>INCOMPATIBLE MATERIALS:</u></p> <p>Keep away from acids.</p>
10.6	<p><u>HAZARDOUS DECOMPOSITION PRODUCTS:</u></p> <p>As consequence of thermal decomposition, hazardous products may be produced: sulfur oxides.</p>





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SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EC) No. 1272/2008~286/2011 (CLP).

11.1	INFORMATION ON TOXICOLOGICAL EFFECTS:			
	<u>ACUTE TOXICITY:</u>			
	<u>Dose and lethal concentrations for individual ingredients :</u> Sodium polysilicate 2.6<Rm<3.2	<u>DL50 (OECD 401)</u> mg/kg oral > 2000. Rat	<u>DL50 (OECD 402)</u> mg/kg cutaneous	<u>CL50 (OECD 403)</u> mg/m3.4h inhalation
	<u>No observed adverse effect level</u> Not available <u>Lowest observed adverse effect level</u> Not available			
	<u>INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:</u>			
	<u>Routes of exposure</u>	<u>Acute toxicity</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
	<u>Inhalation:</u> Not classified	ETA > 20000 mg/m3	-	<i># Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).</i>
	<u>Skin:</u> Not classified	ETA > 2000 mg/kg	-	<i># Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).</i>
	<u>Eyes:</u> Not classified	Not available	-	<i># Not classified as a product with acute toxicity by eye contact (lack of data).</i>
	<u>Ingestion:</u> Not classified	ETA > 5000 mg/kg	-	<i># Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).</i>

CORROSION / IRRITATION / SENSITISATION :

<u>Danger class</u>	<u>Target organs</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	<i># Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).</i>
<u>Skin corrosion/irritation:</u> 	Skin 	Cat.2	<i># IRRITANT: Causes skin irritation.</i>
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat.2	<i># IRRITANT: Causes serious eye irritation.</i>
<u>Respiratory sensitisation:</u> Not classified	-	-	<i># Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).</i>
<u>Skin sensitisation:</u> Not classified	-	-	<i># Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).</i>

ASPIRATION HAZARD:

<u>Danger class</u>	<u>Target organs</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
<u>Aspiration hazard:</u> Not classified	-	-	<i># Not applicable (paste).</i>

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

CMR EFFECTS:

Carcinogenic effects: Is not considered as a carcinogenic product.

Genotoxicity: Is not considered as a mutagenic product.

Toxicity for reproduction: Do not harm fertility. Do not harm the fetus developing.

Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: *# Not available.*

Short-term exposure: *# Irritating to eyes. Irritating to skin.*

Long-term or repeated exposure: *# Not available.*

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DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: # *Not available.*
Short-term exposure: # *Irritating to eyes. Irritating to skin.*
Long-term or repeated exposure: # *Not available.*

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

Dermal absorption: # *Not available.*
Basic toxicokinetics: # *Not available.*

ADDITIONAL INFORMATION:

Not available.

SECTION 12 : ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EC) No. 1272/2008~286/2011 (CLP).

12.1	TOXICITY:			
	<p><u>Acute toxicity in aquatic environment for individual ingredients :</u> Sodium polysilicate 2.6<Rm<3.2</p>	<p><u>CL50 (OECD 203)</u> mg/l.96hours 260. Fishes</p>	<p><u>CE50 (OECD 202)</u> mg/l.48hours 1700. Daphnia</p>	<p><u>CE50 (OECD 201)</u> mg/l.72hours 345. Algae</p>
	<p><u>No observed effect concentration</u> Not available <u>Lowest observed effect concentration</u> Not available</p>			

12.2 **PERSISTENCE AND DEGRADABILITY:**
Not available.

12.3 **BIOACCUMULATIVE POTENTIAL:**
Not available.

12.4 **MOBILITY IN SOIL:**
Not available.

12.5 **RESULTS OF PBT AND MPMB ASSESMENT:** Annex XIII of Regulation (EC) no. 1907/2006:
Not applicable (inorganic mixture).



12.6 **OTHER ADVERSE EFFECTS:**
Ozone depletion potential: Not available.
Photochemical ozone creation potential: Not available.
Earth global warming potential: Not available.
Endocrine disrupting potential: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 **WASTE TREATMENT METHODS:** Directive 2008/98/EC:
 Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:
 Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:
 Authorised landfill in accordance with local regulations.

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SECTION 14 : TRANSPORT INFORMATION

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u>
14.4	<u>Transport by road (ADR 2013) and</u> <u>Transport by rail (RID 2013):</u> Not reglamented
	<u>Transport by sea (IMDG 35-10):</u> Not reglamented
	<u>Transport by air (ICAO/IATA 2012):</u> Not reglamented
	<u>Transport by inland waterways (ADN):</u> Free.
14.5	<u>ENVIRONMENTAL HAZARDS:</u> # <i>Not applicable (not classified as hazardous for the environment).</i>
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> # <i>Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are a vertical position and sure.</i>
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

SECTION 15 : REGULATORY INFORMATION

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> The regulations applicable to this product generally are listed throughout this material safety data sheet. <u>Restrictions on manufacture, placing on market and use:</u> See section 1.2 <u>Control of the risks inherent in major accidents (Seveso III):</u> See section 7.2 <u>Tactile warning of danger:</u> Not applicable (the classification criteria are not met). <u>Child safety protection:</u> Not applicable (the classification criteria are not met). <u>OTHER REGULATIONS:</u> Not available
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not applicable (mixture).

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SECTION 16 : OTHER INFORMATION

16.1 [TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:](#)
[Hazard statements according the Regulation \(EC\) No. 1272/2008~790/2009 \(CLP\), Annex III:](#)
 H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
[R-phrases according the Directive 67/548/EEC~2001/59/EC \(DSD\), Annex III:](#)
 R36/37/38 Irritating to eyes, respiratory system and skin.

[ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:](#)

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of material safety data sheets and labelling of products as well.

[MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:](#)

- # · European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- # · Access to European Union Law, <http://eur-lex.europa.eu/>
- European Chemicals Bureau: Existing Chemicals, <http://esis.jrc.ec.europa.eu/>

[ABBREVIATIONS AND ACRONYMS:](#)

List of abbreviations and acronyms that can be used (but not necessarily used) in this material safety data sheet:

- # · REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- # · DSD: Dangerous Substances Directive.
- # · DPD: Dangerous Preparations Directive.
- # · GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- # · CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures.
- # · EINECS: European Inventory of Existing Commercial Chemical Substances.
- # · ELINCS: European List of Notified Chemical Substances.
- # · CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- # · UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials).
- # · SVHC: Substances of Very High Concern.
- # · PBT: Persistent, bioaccumulable and toxic substances.
- # · vPvB: Very persistent and very bioaccumulable substances.
- # · VOC: Volatile Organic Compounds.
- # · DNEL: Derived No-Effect Level (REACH).
- # · PNEC: Predicted No-Effect Concentration (REACH).
- # · LD50: Letal dose, 50 percent.
- # · LC50: Letal concentration, 50 percent.
- # · UN: United Nations Organisation.
- # · ADR: European agreement concerning the international carriage of dangeous goods by road.
- # · RID: Regulations concerning the international transport of dangeous goods by rail.
- # · IMDG: International Maritime code for Dangerous Goods.
- # · IATA: International Air Transport Association.
- # · ICAO: International Civil Aviation Organization.

[MATERIAL SAFETY DATA SHEET REGULATIONS:](#)

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

[HISTORY:](#)

Version: 3	Revision:
Version: 4	22/05/2013
	10/07/2014

[Modifications with respect to the previous Material Safety Data Sheet:](#)

The possible legislative, contextual, numerical, methodological and normative changes with respect to the previous version are highlighted in this Material Safety Data Sheet by a mark # in red and italic.

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.