

## ALL FIX

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

- 1.1 Product identifier:** ALL FIX
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Adhesive and Sealant  
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:** EVOCHEM S.A.  
Tzaverdella Place  
133 41 PHILI , ATTICA - GREECE  
Phone.: 0030 210 5590460 , 0030 210 5590155 -  
Fax: 0030 210 6254737 , 0030 210 5590244  
info@evochem.gr; vmergoupis@evochem.gr;  
sales@evochem.gr  
www.evochem.gr
- 1.4 Emergency telephone number: National Poisoning Center 2107793777**

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
In accordance with Directive 67/548/EC and Directive 1999/45/EC, the product is not classified as dangerous.  
**CLP Regulation (EC) n° 1272/2008:**  
The product is not classified as dangerous according to CLP Regulation (EC) n° 1272/2008.
- 2.2 Label elements:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
**R Phrases:**  
Not classified as dangerous. Safety data sheet available to professional users that request it.  
**S Phrases:**  
Non-applicable  
**Supplementary information:**  
P98: Not to be used in vessels with a total length of less than 25 metres or vessels used predominantly on inland navigation routes and lakes, nor in devices or equipment used in fish farming or the shellfishing  
P99: Contains Dioctylbis(pentane-2,4-dionato-O,O')tin. May cause an allergic reaction  
**CLP Regulation (EC) n° 1272/2008:**  
**Hazard indications:**  
Non-applicable  
**Cautionary advice:**  
P101: If medical advice is needed, have product container or label at hand  
P102: Keep out of reach of children  
P103: Read label before use  
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment  
**Supplementary information:**  
EUH208: Contains Dioctylbis(pentane-2,4-dionato-O,O')tin. May produce an allergic reaction
- 2.3 Other hazards:**  
Non-applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- Chemical description:** Mixture composed of chemical products
- Components:**  
In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

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

Identification	Chemical name/Classification	Concentration
CAS: 2768-02-7 EC: 220-449-8 Index: Non-applicable REACH: 01-2119513215-52-XXXX	<b>Trimethoxyvinylsilane</b> Self-classified	1 - <2,5 %
	Directive 67/548/EC Xi: R36/37/38; R10 Regulation 1272/2008 Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H335 - Danger	
CAS: 13822-56-5 EC: 237-511-5 Index: Non-applicable REACH: 01-2119510159-45-XXXX	<b>3-(trimethoxysilyl)propylamine</b> Self-classified	<1 %
	Directive 67/548/EC Xi: R38, R41 Regulation 1272/2008 Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	
CAS: 54068-28-9 EC: 483-270-6 Index: Non-applicable REACH: 01-0000020199-67-XXXX	<b>Diocylbis(pentane-2,4-dionato-O,O')tin</b> Self-classified	<1 %
	Directive 67/548/EC Repr. Cat 3: R62, R63; Xi: R43; Xn: R48/20/21/22; R52/53 Regulation 1272/2008 Aquatic Chronic 3: H412; Repr. 2: H361; Skin Sens. 1: H317; STOT RE 2: H373 - 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:**

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

**By inhalation:**

This product 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:**

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

**By eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

**By consumption:**

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

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

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

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

Non-applicable

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use, containing flammable substances. 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:**

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:**

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### SECTION 5: FIREFIGHTING MEASURES (continue)

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid projections and pulverizations. Consult section 10 for 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.: 30 °C

Maximum time: 12 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 work environment

Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

#### DNEL (Workers):

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

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,69 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,9 mg/m <sup>3</sup>	Non-applicable
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	8,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	58 mg/m <sup>3</sup>	Non-applicable

**DNEL (Population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	Oral	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Dermal	26,9 mg/kg	Non-applicable	0,3 mg/kg	Non-applicable
	Inhalation	93,4 mg/m <sup>3</sup>	Non-applicable	1,04 mg/m <sup>3</sup>	Non-applicable
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	Oral	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	17 mg/m <sup>3</sup>	Non-applicable

**PNEC:**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	STP	110 mg/L	Fresh water	0,34 mg/L	
	Soil	0,052 mg/kg	Marine water	0,034 mg/L	
	Intermittent	3,4 mg/L	Sediment (Fresh water)	1,24 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,12 mg/kg	
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	STP	13 mg/L	Fresh water	0,33 mg/L	
	Soil	0,045 mg/kg	Marine water	0,033 mg/L	
	Intermittent	3,3 mg/L	Sediment (Fresh water)	1,2 mg/kg	
	Oral	44,4 g/kg	Sediment (Marine water)	0,12 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**

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
 Compulsory use of face mask	Filter mask for particles		EN 149:2001+A1:2009	Replace when an increase in resistance to breathing is observed.

**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.

**D.- Ocular and facial protection**

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

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):	2,09 % weight
V.O.C. density at 20 °C:	0,03 kg/m <sup>3</sup> (0,03 g/L)
Average carbon number:	5,47
Average molecular weight:	162,93 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:	Paste
Color:	Not available
Odor:	Not available

**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:	2 kg/m <sup>3</sup>
Relative density at 20 °C:	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 (continue)**

Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility property:	Non-applicable *
Decomposition temperature:	Non-applicable *

**Flammability:**

Flash Point:	Non Flammable (>60 °C)
Autoignition temperature:	Non-applicable *
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 specified conditions, hazardous reactions that lead 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	Precaution	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Avoid direct impact	Avoid direct impact	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:**

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 recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

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

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

**B- Inhalation:**

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:**

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.

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

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.

**E- Sensitizing effects:**

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

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

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

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

Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. 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
	Route	Value	
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	LD50 oral	2970 mg/kg	Rat
	LD50 dermal	11300 mg/kg	Rat
	LC50 inhalation	Non-applicable	
Trimethoxyvinylsilane CAS: 2768-02-7 EC: 220-449-8	LD50 oral	7340 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Diocylbis(pentane-2,4-dionato-O,O')tin CAS: 54068-28-9 EC: 483-270-6	LD50 oral	2500 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
	Route	Value		
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	LC50	1264 mg/L (96 h)	Pimephales promelas	Fish
	EC50	331 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Diocylbis(pentane-2,4-dionato-O,O')tin CAS: 54068-28-9 EC: 483-270-6	LC50	Non-applicable		
	EC50	58,6 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
	Parameter	Value	Parameter	Value
3-(trimethoxysilyl)propylamine CAS: 13822-56-5 EC: 237-511-5	BOD5	Non-applicable	Concentration	Non-applicable
	Code	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	67 %

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**SECTION 12: ECOLOGICAL INFORMATION (continue)**

Identification	Degradability		Biodegradability	
	Diocetylbis(pentane-2,4-dionato-O,O')tin CAS: 54068-28-9 EC: 483-270-6	BOD5	Non-applicable	Concentration
	Code	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	9 %

**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
	Diocetylbis(pentane-2,4-dionato-O,O')tin CAS: 54068-28-9 EC: 483-270-6	Koc	8	Henry
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes

**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)
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09	Non dangerous

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

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

**Regulations related to waste management:**

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

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

**SECTION 14: TRANSPORT INFORMATION**

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

**SECTION 15: REGULATORY INFORMATION**

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

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

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

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

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

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

Contains Diocetylbis(pentane-2,4-dionato-O,O')tin. Diocetyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin: — textile articles intended to come into contact with the skin, — gloves, — footwear or part of footwear intended to come into contact with the skin, — wall and floor coverings, — childcare articles, — female hygiene products, — nappies, — two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).

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

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### SECTION 15: REGULATORY INFORMATION (continue)

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

#### 15.2 Chemical safety assessment:

The provider has carried out a chemical safety assessment

### 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. :

Composition/information on ingredients:

- Added Content  
3-(trimethoxysilyl)propylamine (13822-56-5)

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

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

- R10: Flammable
- R36/37/38: Irritating to eyes, respiratory system and skin
- R38: Irritating to skin
- R41: Risk of serious damage to eyes
- R43: May cause sensitisation by skin contact
- R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R62: Possible risk of impaired fertility
- R63: Possible risk of harm to the unborn child

##### CLP Regulation (EC) n° 1272/2008:

- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
- Eye Dam. 1: H318 - Causes serious eye damage
- Eye Irrit. 2: H319 - Causes serious eye irritation
- Flam. Liq. 2: H225 - Highly flammable liquid and vapour
- Repr. 2: H361 - Suspected of damaging fertility or the unborn child
- Skin Irrit. 2: H315 - Causes skin irritation
- Skin Sens. 1: H317 - May cause an allergic skin reaction
- STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure
- 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:

- <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

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Safety data sheet  
According to 1907/2006/EC (REACH), 453/2010/EC

**Evochem**<sup>®</sup>

**ALL FIX**

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 -