

## NEUTROSEAL

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

- 1.1 Product identifier:** NEUTROSEAL
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: 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:**

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: R43 - May cause sensitisation by skin contact

**CLP Regulation (EC) n° 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Skin Sens. 1: Sensitisation, dermal, Category 1

**2.2 Label elements:**

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

In accordance with the legislation, the elements on the label are as follows:



**R Phrases:**

R43: May cause sensitisation by skin contact

**S Phrases:**

S2: Keep out of the reach of children

S23: Do not breathe vapour and spray

S24: Avoid contact with skin

S37: Wear suitable gloves

S46: If swallowed, seek medical advice immediately and show this container or label

S51: Use only in well-ventilated areas

**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

**Substances that contribute to the classification:**

Butan-2-one O,O',O''-(methylsilyldiyl)trioxime

**CLP Regulation (EC) n° 1272/2008:**

**Warning**



**Hazard indications:**

Skin Sens. 1: H317 - May cause an allergic skin reaction

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### SECTION 2: HAZARDS IDENTIFICATION (continue)

#### 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  
 P272: Contaminated work clothing should not be allowed out of the workplace  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention  
 P363: Wash contaminated clothing before reuse  
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

#### Supplementary information:

EUH208: Contains Butan-2-one O,O',O''-(methylsilylidyne)trioxime, N-(3-(trimethoxysilyl)propyl)ethylenediamine, Trimethoxy(methyl)silane. May produce an allergic reaction

#### Substances that contribute to the classification

Butan-2-one O,O',O''-(methylsilylidyne)trioxime; Trimethoxy(methyl)silane; N-(3-(trimethoxysilyl)propyl)ethylenediamine

#### 2.3 Other hazards:





Non-applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical description:** Polymer/s

#### Components:

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

Identification	Chemical name/Classification	Concentration
CAS: 22984-54-9 EC: 245-366-4 Index: Non-applicable REACH:01-2119970560-38-XXXX	<b>Butan-2-one O,O',O''-(methylsilylidyne)trioxime</b> Self-classified	2,5 - <10 % 
	Directive 67/548/EC Xi: R36/38, R43	
	Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 1185-55-3 EC: 214-685-0 Index: Non-applicable REACH:01-2119970560-38-XXXX	<b>Trimethoxy(methyl)silane</b> Self-classified	<1 % 
	Directive 67/548/EC F: R11; Xi: R43	
	Regulation 1272/2008 Flam. Liq. 2: H225; Skin Sens. 1: H317 - Danger	
CAS: 1760-24-3 EC: 217-164-6 Index: Non-applicable REACH:01-2119970560-38-XXXX	<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b> Self-classified	<1 % 
	Directive 67/548/EC N: R51/53; Xi: R41, R43	
	Regulation 1272/2008 Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-88-3 EC: 203-625-9 Index: 601-021-00-3 REACH:01-2119971310-51-XXXX	<b>Toluene</b> ATP CLP00	<1 % 
	Directive 67/548/EC F: R11; Repr. Cat 3: R63; Xi: R38; Xn: R48/20, R65; R67	
	Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger	

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:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Security Data Sheet

##### 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.

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### SECTION 4: FIRST AID MEASURES (continue)

**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:**

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.

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

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

Identification	Environmental limits		
	IOELV (8h)	IOELV (STEL)	Year
Toluene	50 ppm	192 mg/m <sup>3</sup>	
CAS: 108-88-3	100 ppm	384 mg/m <sup>3</sup>	
EC: 203-625-9			2012

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

#### DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Butan-2-one O,O',O''-(methylsilyldi)trioxime CAS: 22984-54-9 EC: 245-366-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,988 mg/m <sup>3</sup>	Non-applicable
Trimethoxy(methyl)silane CAS: 1185-55-3 EC: 214-685-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6,6 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	47 mg/m <sup>3</sup>	Non-applicable
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	5 mg/kg	Non-applicable	5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	35,3 mg/m <sup>3</sup>	Non-applicable
Toluene CAS: 108-88-3 EC: 203-625-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	384 mg/kg	Non-applicable
	Inhalation	384 mg/m <sup>3</sup>	384 mg/m <sup>3</sup>	192 mg/m <sup>3</sup>	192 mg/m <sup>3</sup>

#### DNEL (Population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Trimethoxy(methyl)silane CAS: 1185-55-3 EC: 214-685-0	Oral	Non-applicable	Non-applicable	0,42 mg/kg	Non-applicable
	Dermal	132 mg/kg	Non-applicable	2,9 mg/kg	Non-applicable
	Inhalation	353 mg/m <sup>3</sup>	Non-applicable	10 mg/m <sup>3</sup>	Non-applicable
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Dermal	17 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	8,7 mg/m <sup>3</sup>	Non-applicable

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

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Toluene	Oral	Non-applicable	Non-applicable	8,13 mg/kg	Non-applicable
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	226 mg/kg	Non-applicable
EC: 203-625-9	Inhalation	226 mg/m <sup>3</sup>	226 mg/m <sup>3</sup>	56,5 mg/m <sup>3</sup>	56,5 mg/m <sup>3</sup>

**PNEC:**

Identification		Short exposure		Long exposure	
Butan-2-one O,O',O''-(methylsilylidyne)trioxime CAS: 22984-54-9 EC: 245-366-4	STP	10 mg/L	Fresh water	0,26 mg/L	
	Soil	0,05 mg/kg	Marine water	0,026 mg/L	
	Intermittent	0,12 mg/L	Sediment (Fresh water)	1,02 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,102 mg/kg	
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	STP	25 mg/L	Fresh water	0,062 mg/L	
	Soil	0,0085 mg/kg	Marine water	0,0062 mg/L	
	Intermittent	0,62 mg/L	Sediment (Fresh water)	0,22 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	0,022 mg/kg	
Toluene CAS: 108-88-3 EC: 203-625-9	STP	13,61 mg/L	Fresh water	0,68 mg/L	
	Soil	2,89 mg/kg	Marine water	0,68 mg/L	
	Intermittent	0,68 mg/L	Sediment (Fresh water)	16,39 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	16,39 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
	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
	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**

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
	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.



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

LRP Pictogram	PPE	Labelling	CEN Standard	Remarks
	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):	0,65 % weight
V.O.C. density at 20 °C:	Non-applicable
Average carbon number:	4,46
Average molecular weight:	125,67 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:	Non-applicable *
Relative density at 20 °C:	1,02
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 *

\*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)

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:

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, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

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

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.

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### SECTION 11: TOXICOLOGICAL INFORMATION (continue)

#### E- Sensitizing effects:

Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

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

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, however it does 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	
Toluene CAS: 108-88-3 EC: 203-625-9	5580 mg/kg	12124 mg/kg	Rat
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	LC50 inhalation	28,1 mg/L (4 h)	Rat
	LD50 oral	2413 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		
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	597 mg/L (96 h)	81 mg/L (48 h)	Brachydanio rerio	Fish
		8,8 mg/L (72 h)	Daphnia magna	Crustacean
			Selenastrum capricornutum	Alga
Toluene CAS: 108-88-3 EC: 203-625-9	13 mg/L (96 h)	11,5 mg/L (48 h)	Carassius auratus	Fish
			Daphnia magna	Crustacean
	125 mg/L (48 h)		Scenedesmus subspicatus	Alga

#### 12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
	BOD5	Code	Concentration	Period
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	Non-applicable	Non-applicable	Non-applicable	28 days
			% Biodegradable	39 %
Toluene CAS: 108-88-3 EC: 203-625-9	2.5 g O2/g	Non-applicable	100 mg/L	14 days
			% Biodegradable	100 %

#### 12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
	BCF	Pow Log
Toluene CAS: 108-88-3 EC: 203-625-9	13	2,73
	Potential	Low

#### 12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	Koc	Conclusion	Henry	Dry soil
Toluene CAS: 108-88-3 EC: 203-625-9	178	Moderate	6,728E+2 Pa·m <sup>3</sup> /mol	Yes
			Moist soil	Yes
	27930 N/m (25 °C)			

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**NEUTROSEAL****SECTION 12: ECOLOGICAL INFORMATION (continue)****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 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances	Dangerous

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

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

**Regulations related to waste management:**

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

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

**SECTION 14: TRANSPORT INFORMATION**

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

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

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

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

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

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

**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

**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. :**

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### SECTION 16: OTHER INFORMATION (continue)

Composition/information on ingredients:

· Added Content

Trimethoxy(methyl)silane (1185-55-3)

Content of the 3rd section presenting modifications:

· N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3): R Phrases, Hazard indications

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

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

R11: Highly flammable

R36/38: Irritating to eyes and skin

R38: Irritating to skin

R41: Risk of serious damage to eyes

R43: May cause sensitisation by skin contact

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R63: Possible risk of harm to the unborn child

R65: Harmful: may cause lung damage if swallowed

R67: Vapours may cause drowsiness and dizziness

**CLP Regulation (EC) n° 1272/2008:**

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

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: H361d - Suspected to damage the foetus

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: H336 - May cause drowsiness or dizziness

**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

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 -