



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

- 1.1 Product identifier:** DUROPOXY (B)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Curing agent for 2-component epoxy tile adhesive & putty
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:**
DUROSTICK SA
PATIMA KOROREMI
193 00 ASPROPIRGOS, ATTICA - GREECE
Phone.: 211 60 03 500-599 -
Fax: 210 55 99 612
info@durostick.gr
www.durostick.gr
- 1.4 Emergency telephone number:** 210 7793 777

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).
C: R34 - Causes burns
Repr. Cat 3: R62 - Possible risk of impaired fertility
Xi: R43 - May cause sensitisation by skin contact
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- CLP Regulation (EC) n° 1272/2008:**
Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.
Acute Tox. 4: Acute toxicity, Category 4
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3
Eye Dam. 1: Serious eye damage, Category 1
Repr. 2: Reproductive toxicity, Category 2 (H361f)
Skin Corr. 1B: Skin corrosion, Category 1B
Skin Sens. 1: Sensitisation, skin, 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:
- C**

Corrosive
- R Phrases:**
R34: Causes burns
R43: May cause sensitisation by skin contact
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62: Possible risk of impaired fertility
- S Phrases:**
S1/2: Keep locked up and out of reach of children
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- Supplementary information:**
Non-applicable
- Substances that contribute to the classification:**
2,2'-iminodi(ethylamine), Tetraethylenepentamine, Bisphenol A
- CLP Regulation (EC) n° 1272/2008:**
Danger

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SECTION 2: HAZARDS IDENTIFICATION (continue)



Hazard statements:

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
 Repr. 2: H361f - Suspected of damaging fertility.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
 Skin Sens. 1: H317 - May cause an allergic skin reaction

Precautionary statements:

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
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 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 person to fresh air and keep comfortable for breathing
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

Non-applicable

Substances that contribute to the classification

Bisphenol A, 2,2'-iminodi(ethylamine), Tetraethylenepentamine

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Solution composed of amines

Components:

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

Identification	Chemical name/Classification	Concentration
CAS: 80-05-7 EC: 201-245-8 Index: 604-030-00-0 REACH: 01-2119457856-23-XXXX	Bisphenol A Directive 67/548/EC Repr. Cat 3: R62; Xi: R37, R41, R43; R52 Regulation 1272/2008 Eye Dam. 1: H318; Repr. 2: H361f; Skin Sens. 1: H317; STOT SE 3: H335 - Danger	ATP ATP01 4,9 - <9,9 %
CAS: 111-40-0 EC: 203-865-4 Index: 612-058-00-X REACH: 01-2119473793-27-XXXX	2,2'-iminodi(ethylamine) Directive 67/548/EC C: R34; Xi: R43; Xn: R21/22 Regulation 1272/2008 Acute Tox. 4: H302+H312; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	ATP CLP00 4,9 - <9,9 %
CAS: 112-57-2 EC: 203-986-2 Index: 612-060-00-0 REACH: Non-applicable	Tetraethylenepentamine Directive 67/548/EC C: R34; N: R51/53; Xi: R43; Xn: R21/22 Regulation 1272/2008 Acute Tox. 4: H302+H312; Aquatic Chronic 2: H411; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	ATP CLP00 4,9 - <9,9 %

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:



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SECTION 4: FIRST AID MEASURES (continue)

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:

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:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

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

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in fixed places that comply with the necessary security conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to containers of small amounts. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 24 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	
Bisphenol A	IOELV (8h)		10 mg/m ³
CAS: 80-05-7	IOELV (STEL)		
EC: 201-245-8	Year	2014	

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Bisphenol A	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 80-05-7	Dermal	1,4 mg/kg	Non-applicable	1,4 mg/kg	Non-applicable
EC: 201-245-8	Inhalation	10 mg/m ³	10 mg/m ³	10 mg/m ³	10 mg/m ³
2,2'-iminodi(ethylamine)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 111-40-0	Dermal	Non-applicable	Non-applicable	11,4 mg/kg	Non-applicable
EC: 203-865-4	Inhalation	92,1 mg/m ³	2,6 mg/m ³	15,4 mg/m ³	0,87 mg/m ³

DNEL (Population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Bisphenol A	Oral	0,05 mg/kg	Non-applicable	0,05 mg/kg	Non-applicable
CAS: 80-05-7	Dermal	0,7 mg/kg	Non-applicable	0,7 mg/kg	Non-applicable
EC: 201-245-8	Inhalation	5 mg/m ³	5 mg/m ³	0,25 mg/m ³	5 mg/m ³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,2'-iminodi(ethylamine)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 111-40-0	Dermal	4,88 mg/kg	Non-applicable	4,88 mg/kg	Non-applicable
EC: 203-865-4	Inhalation	27,5 mg/m ³	Non-applicable	4,6 mg/m ³	Non-applicable

PNEC:

Identification					
Bisphenol A	STP	320 mg/L	Fresh water	0,018 mg/L	
CAS: 80-05-7	Soil	3,7 mg/kg	Marine water	0,016 mg/L	
EC: 201-245-8	Intermittent	0,01 mg/L	Sediment (Fresh water)	2,2 mg/kg	
	Oral	13,8 g/kg	Sediment (Marine water)	0,44 mg/kg	
2,2'-iminodi(ethylamine)	STP	6 mg/L	Fresh water	0,56 mg/L	
CAS: 111-40-0	Soil	214 mg/kg	Marine water	0,056 mg/L	
EC: 203-865-4	Intermittent	0,32 mg/L	Sediment (Fresh water)	1072 mg/kg	
	Oral	Non-applicable	Sediment (Marine water)	107,2 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

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	NON-disposable chemical protective gloves	CE CAT III	EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Face mask	CE CAT II	EN 166:2001 EN 167:2001 EN 168:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory complete body protection	Disposable clothing for protection against chemical risks	CE CAT III	EN 13034:2005+A1:2009 EN 168:2001 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory foot protection	Safety footwear for protection against chemical risk	 CE CAT III	EN ISO 20345:2011 EN 13832-1:2006 EN ISO 20344:2011	Replace boots at any sign of deterioration.

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):	Non-applicable
V.O.C. density at 20 °C:	Non-applicable
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Transparent
Color:	Honey brown
Odor:	Aminic

Volatility:

Boiling point at atmospheric pressure:	255 °C
Vapour pressure at 20 °C:	12 Pa
Vapour pressure at 50 °C:	98 Pa (0 kPa)
Evaporation rate at 20 °C:	Non-applicable *

Product description:

Density at 20 °C:	1088 kg/m ³
Relative density at 20 °C:	1,088
Dynamic viscosity at 20 °C:	46,24 cP
Kinematic viscosity at 20 °C:	42,51 cSt
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 *
Melting point/freezing point: Non-applicable *

Flammability:

Flash Point: Non Flammable (>60 °C)
Autoignition temperature: 321 °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 specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	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 (CO₂), 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:

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.

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SECTION 11: TOXICOLOGICAL INFORMATION (continue)

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

Exposure to this product can endanger the fertility of human beings. For more specific information on the possible health effects see section 2.

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, 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
Bisphenol A CAS: 80-05-7 EC: 201-245-8	LD50 oral	5100 mg/kg	Rat
	LD50 dermal	3000 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
2,2'-iminodi(ethylamine) CAS: 111-40-0 EC: 203-865-4	LD50 oral	500 mg/kg (ATEI)	
	LD50 dermal	1100 mg/kg	
	LC50 inhalation	Non-applicable	
Tetraethylenepentamine CAS: 112-57-2 EC: 203-986-2	LD50 oral	500 mg/kg	Rat
	LD50 dermal	1100 mg/kg	Rat
	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Identification	Acute toxicity		Specie	Genus
Bisphenol A CAS: 80-05-7 EC: 201-245-8	LC50	4,6 mg/L (96 h)	Pimephales promelas	Fish
	EC50	3,8 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Tetraethylenepentamine CAS: 112-57-2 EC: 203-986-2	LC50	420 mg/L (96 h)	Poecilia reticulada	Fish
	EC50	24,1 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	2,1 mg/L (72 h)	Selenastrum capricornutum	Alga

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Bisphenol A CAS: 80-05-7 EC: 201-245-8	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Bisphenol A CAS: 80-05-7 EC: 201-245-8	BCF	67
	Pow Log	3,32
	Potential	Moderate

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Absorption/desorption			Volatility
Bisphenol A CAS: 80-05-7 EC: 201-245-8	Koc	796	Henry	1,013E-6 Pa·m ³ /mol
	Conclusion	Low	Dry soil	No
	Surface tension	3760 N/m (364,43 °C)	Moist soil	No
2,2'-iminodi(ethylamine) CAS: 111-40-0 EC: 203-865-4	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	41640 N/m (25 °C)	Moist soil	Non-applicable
Tetraethylenepentamine CAS: 112-57-2 EC: 203-986-2	Koc	3,6	Henry	3E-15 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	43500 N/m (25 °C)	Moist soil	Non-applicable

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 01 11*	Waste paint and varnish 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

Transport of dangerous goods by land:

With regard to ADR 2013 and RID 2013:



- 14.1 UN number:** UN2735
- 14.2 UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-iminodi(ethylamine))
- 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 L
- 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:



SECTION 14: TRANSPORT INFORMATION (continue)



- 14.1 UN number:** UN2735
14.2 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-iminodi(ethylamine))
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 L
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:** UN2735
14.2 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-iminodi(ethylamine))
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) 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 supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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SECTION 16: OTHER INFORMATION (continue)

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. :

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

- S Phrases

CLP Regulation (EC) n° 1272/2008:

- Precautionary statements
- Supplementary information

Text of R-phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

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

R21/22: Harmful in contact with skin and if swallowed

R34: Causes burns

R37: Irritating to respiratory system

R41: Risk of serious damage to eyes

R43: May cause sensitisation by skin contact

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

R52: Harmful to aquatic organisms

R62: Possible risk of impaired fertility

CLP Regulation (EC) n° 1272/2008:

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects

Eye Dam. 1: H318 - Causes serious eye damage

Repr. 2: H361f - Suspected of damaging fertility.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage

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

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

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 -