

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



GRAFFITI REMOVER - Special graffiti solvent 24-60

		2-	1-60
SECT	TION 1: IDENTIFICATION C	F THE SUBSTANCE/MIXT	URE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:	24-60	ER - Special graffiti solvent
		1,3-dioxolane	
	CAS:	646-06-0	
	EC:	211-463-5	
	Index:	605-017-00-2	
	REACH:	01-2119490744-29	
L .2	Relevant identified uses of		-
	Relevant uses: Surface tretame		
	Uses advised against: All uses		
1.3	Details of the supplier of th	e sarety data sneet:	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 num	ber: National Poisoning Cent	er 2107793777
	Regulation (EC) nº1907/200 F: R11 - Highly flammable Xi: R38 - Irritating to skin Xn: R20/21 - Harmful by inl CLP Regulation (EC) nº 127	06 (REACH regulation). nalation and in contact with sl 2 2/2008: : has been carried out in acco uids, Category 2	57/548/EC and Directive 1999/45/EC, adapting the requirements to kin ordance with CLP Regulation (EC) nº 1272/2008.
2.2	Label elements:		
	Directive 67/548/EC and D	irective 1999/45/EC:	
	In accordance with the legi	slation, the elements on the la	abel are as follows:
	F Highly flammable	<	
	R Phrases:		
	R11: Highly flammable R20/21: Harmful by inhalati R38: Irritating to skin	on and in contact with skin	
	S Phrases:		
	S16: Keep away from sourc S24: Avoid contact with skin S36/37: Wear suitable prote	1	

S36/37: Wear suitable protective clothing and glo S43: In case of fire, use polyvalent powder ABC

S51: Use only in well-ventilated areas S9: Keep container in a well-ventilated place

Supplementary information:

Non-applicable







Mixture composed of polymers and resins in solvent **Chemical description:**

Components:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

Identificatio	Identification Chemical name/Classification				Concentration
CAS: 646-06-0		1,3-dioxolane		ATP CLP00	
EC: 211-463-5 Index: 605-017-00-2 REACH:01-2119490744-29-XXXX		Directive 67/548/EC	F: R11	*	75 - <100 %
		Regulation 1272/2008	Flam. Liq. 2: H225 - Danger	٢	
CAS: 1330-20-7		Xylene (mixture of is	somers)	ATP CLP00	
EC: 215-535-7 Index: 601-022-00-		Directive 67/548/EC	Xi: R38; Xn: R20/21; R10	×	19 - <24 %
REACH:01-2119488216-32-XXXX		Regulation 1272/2008	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	() ()	
To obtain more	e inforn	nation 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:

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.





SECTION 4: FIRST AID MEASURES (continue)

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:**

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:

If possible use polyvalent powder fire exginguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2). IT IS RECOMMENDED NOT 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 sub-products 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 inflamation, 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. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertizing agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

6.2 Environmental precautions:

This product is not classified as dangerous to the environment. Keep product away from drains, surface and underground water.

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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation





SECTION 7: HANDLING AND STORAGE (continue)

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 94/9/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). 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
 - It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:5 °CMaximun Temp.:35 °CMaximum 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	En	vironmental limits	
Xylene (mixture of isomers)	IOELV (8h)	50 ppm	221 mg/m ³
CAS: 1330-20-7	IOELV (STEL)	100 ppm	442 mg/m ³
EC: 215-535-7	Year	2014	

DNEL (Workers):

		Short	exposure	Long e	exposure
Identification		Systemic	Local	Systemic	Local
1,3-dioxolane	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 646-06-0	Dermal	Non-applicable	Non-applicable	4,1 mg/kg	Non-applicable
EC: 211-463-5	Inhalation	Non-applicable	Non-applicable	19 mg/m ³	Non-applicable
Xylene (mixture of isomers)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	289 mg/m ³	289 mg/m ³	77 mg/m ³	Non-applicable

DNEL (Population):

		Short	exposure	Long e	exposure
Identification		Systemic	Local	Systemic	Local
1,3-dioxolane	Oral	Non-applicable	Non-applicable	75 mg/kg	Non-applicable
CAS: 646-06-0	Dermal	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
EC: 211-463-5	Inhalation	Non-applicable	Non-applicable	5,7 mg/m ³	Non-applicable





SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

		Short	exposure	Long e	exposure
Identification		Systemic	Local	Systemic	Local
Xylene (mixture of isomers)	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	108 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	Non-applicable	Non-applicable	14,8 mg/m ³	Non-applicable

PNEC:

Identification				
1,3-dioxolane	STP	1 mg/L	Fresh water	19,7 mg/L
CAS: 646-06-0	Soil	2,62 mg/kg	Marine water	1,97 mg/L
EC: 211-463-5	Intermittent	0,95 mg/L	Sediment (Fresh water)	77,7 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7,77 mg/kg
Xylene (mixture of isomers)	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using indivudual protection equipment they should have the ""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 additional 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

D	B Respiratory protection							
	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 resistence to breathing is observed.			
С	C Specific protection for the hands							
	Pictogram	PPE	Labelling	CEN Standard	Remarks			
	Mandatory hand protection	Chemical protective gloves	CATI	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						
	Pictogram	PPE	Labelling	CEN Standard	Remarks			
	Mandatory face protection	Panoramic glasses against liquid splash	CAT II	EN 166:2001 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	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2008/AC:2009 EN 1149-5:2008	Limited protection against flames.			



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Pictogram		PPE	Labelling		CEN Standard		Remarks
Mandatory foot protection	antistatic	r footwear with and heat resistent properties			EN 13287:2008 N ISO 20345:2011 N ISO 20344:2011	Re	place boots at any sign of deterioration
 Additional emerg 	ency mea	sures					
Emergency me	asure	Sta	Standards		Emergency measu	re	Standards
Emergency shower			NNSI Z358-1 0 3864-1:2002		Eyewash stations		DIN 12 899 ISO 3864-1:2002

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):	100 % weight
V.O.C. density at 20 °C:	1015 kg/m³ (1015 g/L)
Average carbon number:	4
Average molecular weight:	80,52 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties:				
	For complete information				
	Appearance:	·			
	Physical state at 20 °C:	Liquid			
	Appearance:	Transparent			
	Color:	Colourless			
	Odor:	Characteristic			
	Volatility:				
	Boiling point at atmosph	eric pressure:	84 °C		
	Vapour pressure at 20 of	C:	8640 Pa		
	Vapour pressure at 50 °C: Evaporation rate at 20 °C: Product description:		33019 Pa (33 kPa)		
			Non-applicable *		
	Density at 20 °C:		1015 kg/m³		
	Relative density at 20 °C	:	1,015		
	Dynamic viscosity at 20	PC:	0,91 cP		
	Kinematic viscosity at 20	°C:	0,9 cSt		
	Kinematic viscosity at 40	°C:	Non-applicable *		
	Concentration:		1020 g/L (active ingredient)		
	pH:		Non-applicable *		
	Vapour density at 20 °C:		Non-applicable *		
	Partition coefficient n-oc	tanol/water 20 ºC:	Non-applicable *		
	Solubility in water at 20	°C:	Non-applicable *		
	Solubility property:		Non-applicable *		
	*Not relevant due to the natu	ire of the product, not provid	ing information property of its hazards.		
		- (CONTINUED ON NEXT PAGE -		





SEC	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)					
	Decomposition temperature:	Non-applicable *				
	Melting point/freezing point:	Non-applicable *				
	Flammability:					
	Flash Point:	1 °C				
	Autoignition temperature:	274 °C				
	Lower flammability limit:	Not available				
	Upper flammability limit:	Not available				
9.2	Other information:					
	Surface tension at 20 °C:	Non-applicable *				
	Refraction index:	Non-applicable *				
	*Not relevant due to the nature of the	e 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	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids Water Combustive materials Combustible mater	
	ials Others
Not applicable Not applicable Avoid direct impact Avoid direct impa	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:

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 eves:

Produces skin inflammation.





SECTION 11: TOXICOLOGICAL INFORMATION (continue)

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

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

E- Sensitizing effects:

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

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

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

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

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

H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acu	Genus	
1,3-dioxolane	LD50 oral	3000 mg/kg	Rat
CAS: 646-06-0	LD50 dermal	15000 mg/kg	Rat
EC: 211-463-5	LC50 inhalation	20650 mg/L (4 h)	Rat
Xylene (mixture of isomers)	LD50 oral	2100 mg/kg	Rat
CAS: 1330-20-7	LD50 dermal	1100 mg/kg	Rat
EC: 215-535-7	LC50 inhalation	11 mg/L (4 h)	Rat

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
1,3-dioxolane		12000 mg/L (96 h)	Cypronodon variegatus	Fish
CAS: 646-06-0	EC50	6500 mg/L (48 h)	Daphnia magna	Crustacean
EC: 211-463-5	EC50	Non-applicable		
Xylene (mixture of isomers)		13,5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7		0,6 mg/L (96 h)	Gammarus lacustris	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Alga

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential		
1,3-dioxolane	BCF	3	
CAS: 646-06-0	Pow Log	-0,37	
EC: 211-463-5	Potential	Low	
Xylene (mixture of isomers)	BCF	9	
CAS: 1330-20-7	Pow Log	2,77	
EC: 215-535-7	Potential	Low	

12.4 Mobility in soil:

Identification	Identification Absorption		Volatility	
1,3-dioxolane	Кос	15	Henry	2,482E+0 Pa·m ³ /mol
CAS: 646-06-0	Conclusion	Very High	Dry soil	Yes
EC: 211-463-5	Surface tension	Non-applicable	Moist soil	Yes





SECTION 12: ECOLOGICAL INFORMATION (continue)

Identification	Absorp	Absorption/desorption		Volatility
Xylene (mixture of isomers)	Кос	202	Henry	5,249E+2 Pa·m ³ /mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
Results of PBT and vPvB assessment:				

12.5

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)		
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous		
Waste management (disposal and evaluation):				

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

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) nº1907/2006 (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 AD	DR 201	3 and RID 2013:	
	14.1	UN number:	UN1993
	14.2	UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (1,3-dioxolane)
	14.3	Transport hazard class(es):	3
$\langle \simeq \rangle$		Labels:	3
	14.4	Packing group:	II
3	14.5	Dangerous for the	No
		environment:	
	14.6	Special precautions for user	
		Special regulations:	274, 601, 640D
		Tunnel restriction code:	D/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 da	ngero	us goods by sea:	
With regard to IM	IDG 36	-12:	



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SECTION 14: TRANSPORT	INFORMATION (continue)				
14.1	UN number:	UN1993			
14.2	UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (1,3-dioxolane)			
14.3	Transport hazard class(es):	3			
	Labels:	3			
14.4	Packing group:	II			
3 14.5	Dangerous for the environment:	No			
14.6	Special precautions for user				
	Special regulations:	274, 944			
	EmS Codes:	F-E, S-E			
	Physico-Chemical properties:	see section 9			
	Limited quantities:	1L			
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Non-applicable			
Transport of dangero	ous goods by air:				
With regard to IATA/IC	With regard to IATA/ICAO 2014:				
14.1	UN number:	UN1993			
14.2	UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (1,3-dioxolane)			
14.3	Transport hazard class(es):	3			
	Labels:	3			
14.4	Packing group:	II			
14.5	Dangerous for the environment:	No			
14.6	Special precautions for user	see section 9			
14 7	Physico-Chemical properties: Transport in bulk according				
14.7	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:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885 Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.





SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

Modifications related to the previous security card which concerns the ways of managing risks. :

Non-applicable

Text of R-phrases considered in section 3:

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:

R10: Flammable

R11: Highly flammable

- R20/21: Harmful by inhalation and in contact with skin R38: Irritating to skin
- CLP Regulation (EC) nº 1272/2008:

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Flam. Liq. 2: H225 - Highly flammable liquid and vapour Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Irrit. 2: H315 - Causes skin 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.