



## Safety data sheet

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier**

Product name

NAUTILUS EPOXY PRIMER BIANCO COMP.A

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use

MARINA / NAUTICA

Identified Uses	Industrial	Professional	Consumer
Prodotto verniciante per nautica outdoor	✓	✓	✓
Prodotto verniciante per usi industriali	✓	-	-
Prodotto verniciante per nautica indoor	✓	✓	✓
Prodotto verniciante per uso professionale	-	✓	-

**1.3. Details of the supplier of the safety data sheet**

Name

CECCHI GUSTAVO &amp; C. srl.

Full address

Via M. Coppino 253

District and Country

55049 Viareggio (LU)  
Italy

tel. +39 0584 383694

fax +39 0584 395182

e-mail address of the competent person

responsible for the Safety Data Sheet  
Product distribution byinfo@cecchi.it  
CECCHI GUSTAVO & C. srl.**1.4. Emergency telephone number**

For urgent inquiries refer to

+39 0584 383694

### SECTION 2. Hazards identification.

**2.1. Classification of the substance or mixture.**

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 2

H225

Highly flammable liquid and vapour.

Serious eye damage, category 1

H318

Causes serious eye damage.

Skin irritation, category 2

H315

Causes skin irritation.

Specific target organ toxicity - single exposure, category 3

H335

May cause respiratory irritation.

Skin sensitization, category 1

H317

May cause an allergic skin reaction.

**2.2. Label elements.**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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Hazard pictograms:



Signal words:

Danger

Hazard statements:

<b>H225</b>	Highly flammable liquid and vapour.
<b>H318</b>	Causes serious eye damage.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.

Precautionary statements:

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P233</b>	Keep container tightly closed.
<b>P280</b>	Wear protective gloves / eye protection / face protection.
<b>P310</b>	Immediately call a POISON CENTER / doctor / . . .
<b>P501</b>	Dispose of contents / container to . . .

**Contains:** ISOBUTYL ALCOHOL  
RESINA EPOSSIDICA (BISFENOLO A EPICLORIDRINA) p.m. > 700  
XYLENE (MIXTURE OF ISOMERS)  
4-METHYLPENTAN-2-ONE

### 2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## SECTION 3. Composition/information on ingredients.

### 3.1. Substances.

Information not relevant.

### 3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 1272/2008 (CLP).
RESINA EPOSSIDICA (BISFENOLO A EPICLORIDRINA) p.m. > 700		
CAS. 25036-25-3	10 - 20	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, EUH205

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**TITANIUM DIOXIDE ( 59.9% - metallic element )**

CAS. 13463-67-7 10 - 20

EC. 236-675-5

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Reg. no. 01-2119489379-17-XXXX

**XYLENE (MIXTURE OF ISOMERS)**

CAS. 1330-20-7 7.5 - 10 Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Note C

EC. 215-535-7

INDEX. 601-022-00-9

Reg. no. 01-2119488216-32-XXXX

**METHYL ETHYL KETONE**

CAS. 78-93-3 5 - 7.5 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

EC. 201-159-0

INDEX. 606-002-00-3

Reg. no. 01-2119457290-43

**4-METHYLPENTAN-2-ONE**

CAS. 108-10-1 5 - 7.5 Flam. Liq. 2 H225, Acute Tox. 4 H332, Eye Irrit. 2 H319, STOT SE 3 H335, EUH066

EC. 203-550-1

INDEX. 606-004-00-4

Reg. no. 01-2119473980-30

**ISOBUTYL ALCOHOL**

CAS. 78-83-1 5 - 7.5 Flam. Liq. 3 H226, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336

EC. 201-148-0

INDEX. 603-108-00-1

Reg. no. 01-2119484609-23

**XYLENE (MIXTURE OF ISOMERS)**

CAS. 1330-20-7 5 - 7.5 Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Note C

EC. 215-535-7

INDEX. 601-022-00-9

Reg. no. 01-2119488216-32-XXXX

**1-METHOXY-2-PROPANOL**

CAS. 107-98-2 2.5 - 5 Flam. Liq. 3 H226, STOT SE 3 H336

EC. 203-539-1

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INDEX. 603-064-00-3

Reg. no. 01-2119457435-35

**TALC**

CAS. 14807-96-6	2.5 - 5	Acute Tox. 4 H332, STOT SE 3 H335
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EC. 238-877-9

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**QUARTZ**

CAS. 14808-60-7	2.5 - 5	STOT RE 2 H373
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EC. 238-878-4

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**CLORITE**

CAS. 1318-59-8	2.5 - 5	STOT RE 2 H373
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EC. 215-285-9

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**MICA**

CAS. 12001-26-2	2.5 - 5	STOT RE 2 H373
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**ETHYLBENZENE**

CAS. 100-41-4	1.5 - 2.5	Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373
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EC. 202-849-4

INDEX. 601-023-00-4

**DERIVATO DI ACIDI GRASSI (Z)-N-9  
 OPTADECENIL-1,3-PROPANEDIAMMINA(2:1)**

CAS. 91845-13-5	0.25 - 0.3	Acute Tox. 4 H302, Skin Corr. 1B H314, Aquatic Acute 1 H400 M=1
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EC. 295-184-4

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**2-METHOXY-1-METHYLETHYL ACETATE**

CAS. 108-65-6	0.05 - 0.1	Flam. Liq. 3 H226
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EC. 203-603-9

INDEX. 607-195-00-7

Reg. no. 01-2119475791-29-XXXX

**BARIUM SULFATE ( 58.8% - metallic element )**

CAS. 7727-43-7	0 - 0.05	Substance with a community workplace exposure limit.
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EC. 231-784-4

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Note: Upper limit is not included into the range.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4. First aid measures.

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Gli addetti al primo soccorso devono fare attenzione ad auto-protegersi e usare l'abbigliamento protettivo raccomandato (guanti resistenti ai prodotti chimici, protezione dagli spruzzi). In tutti i casi di dubbio o qualora i sintomi persistano, ricorrere a cure mediche.

#### 4.1. Description of first aid measures.

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

#### 4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

I sintomi di irritazione agli occhi possono includere sensazione di bruciore, rossore, gonfiore e/o vista offuscata. I sintomi di irritazione alla pelle possono includere bruciore, rossore, gonfiore e/o vesciche. I sintomi di irritazione respiratoria possono includere temporaneo bruciore a naso e gola, tosse e/o difficoltà di respirazione. I sintomi del contatto per ingestione possono comprendere nausea e vomito.

#### 4.3. Indication of any immediate medical attention and special treatment needed.

Provoca depressione del sistema nervoso centrale. Potenziale per polmonite chimica. Rivolgersi a un centro antiveleni per il necessario aiuto.

## SECTION 5. Firefighting measures.

Il prodotto è infiammabile, prestare la massima attenzione. Prodotto non esplosivo, è tuttavia possibile la formazione di miscele di vapori/aria esplosive. Evitare la formazione di vapori. Garantire la continuità elettrica con un'adatta rete di messa a terra per evitare l'accumulo di cariche elettrostatiche. Allontanare dall'area dell'incendio tutto il personale non addetto all'emergenza.

#### 5.1. Extinguishing media.

##### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

##### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

#### 5.2. Special hazards arising from the substance or mixture.

##### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

#### 5.3. Advice for firefighters.

GENERAL INFORMATION

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Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

### 6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Bloccare la perdita se non c'è pericolo. Non manipolare i contenitori danneggiati o il prodotto fuoriuscito senza aver prima indossato l'equipaggiamento protettivo adeguato.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

Se il prodotto ha contaminato acque superficiali, sistemi fognari o falde acquifere, informare subito l'autorità competente ( autorità di pubblica sicurezza , vigili del fuoco).

### 6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they

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may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

### 7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany):

3

### 7.3. Specific end use(s).

Fare riferimento al capitolo 16 e/o agli allegati per gli utilizzi registrati ai sensi del regolamento 1907/2006 REACH.

## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Regulatory References:

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2014

### BARIUM SULFATE

#### Threshold Limit Value.

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	
MAK	DEU	1.5				RESP.
VLA	ESP	10				
WEL	GBR	4				
TLV	ITA	0.5				
OEL	EU	0.5				
TLV-ACGIH		5				

### TITANIUM DIOXIDE

#### Threshold Limit Value.

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Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	10				
VLEP	FRA	10				
WEL	GBR	4				
NDS	POL	10				INHAL.
TLV-ACGIH		10				

**XYLENE (MIXTURE OF ISOMERS)****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	440	100	880	200	SKIN.
MAK	DEU	440	100	880	200	SKIN.
VLA	ESP	221	50	442	100	SKIN.
VLEP	FRA	221	50	442	100	SKIN.
WEL	GBR	220	50	441	100	
TLV	ITA	221	50	442	100	SKIN.
OEL	NLD	210		442		SKIN.
NDS	POL	100				
OEL	EU	221	50	442	100	SKIN.
TLV-ACGIH		434	100	651	150	

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0.327	mg/l
Normal value in marine water	0.327	mg/l
Normal value for fresh water sediment	12.46	mg/kg
Normal value for marine water sediment	12.46	mg/kg
Normal value of STP microorganisms	6.58	mg/l
Normal value for the terrestrial compartment	2.31	mg/kg

**METHYL ETHYL KETONE****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	600	200	600	200	SKIN.
MAK	DEU	600	200	600	200	SKIN.
VLA	ESP	600	200	900	300	
VLEP	FRA	600	200	900	300	SKIN.
WEL	GBR	600	200	899	300	SKIN.
TLV	ITA	600	200	900	300	
NDS	POL	450		900		
OEL	EU	600	200	900	300	
TLV-ACGIH		590	200	885	300	

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	55.8	mg/l
Normal value in marine water	55.8	mg/l
Normal value for fresh water sediment	284.74	mg/kg
Normal value for marine water sediment	287.7	mg/kg



**4-METHYLPENTAN-2-ONE****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	83	20	166	40	SKIN.
MAK	DEU	83	20	166	40	SKIN.
VLA	ESP	83	20	208	50	
VLEP	FRA	83	20	208	50	
WEL	GBR	208	50	416	100	SKIN.
TLV	ITA	83	20	208	50	
OEL	NLD	104		208		
NDS	POL	83		200		
OEL	EU	83	20	208	50	
TLV-ACGIH		82	20	307	75	

**ISOBUTYL ALCOHOL****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	310	100	310	100	
MAK	DEU	310	100	310	100	
VLA	ESP	154	50			
VLEP	FRA	150	50			
WEL	GBR	154	50	231	75	
OEL	NLD	150				
NDS	POL	100		200		
TLV-ACGIH		152	50			

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0.4	mg/l
Normal value in marine water	0.04	mg/l
Normal value for fresh water sediment	1.52	mg/kg d.w
Normal value for marine water sediment	0.152	mg/kg d.w.
Normal value for water, intermittent release	11	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0.0699	mg/kg d.w

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.							25 mg/kg d.w.	VND
Inhalation.			310 mg/m3	VND			55 mg/m3	VND

**XYLENE (MIXTURE OF ISOMERS)****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	440	100	880	200	SKIN.
MAK	DEU	440	100	880	200	SKIN.
VLA	ESP	221	50	442	100	SKIN.

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VLEP	FRA	221	50	442	100	SKIN.
WEL	GBR	220	50	441	100	
TLV	ITA	221	50	442	100	SKIN.
OEL	NLD	210		442		SKIN.
NDS	POL	100				
OEL	EU	221	50	442	100	SKIN.
TLV-ACGIH		434	100	651	150	

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0.327	mg/l
Normal value in marine water	0.327	mg/l
Normal value for fresh water sediment	12.46	mg/kg
Normal value for marine water sediment	12.46	mg/kg
Normal value of STP microorganisms	6.58	mg/l
Normal value for the terrestrial compartment	2.31	mg/kg

**1-METHOXY-2-PROPANOL****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	370	100	740	200	
MAK	DEU	370	100	740	200	
VLA	ESP	375	100	568	150	SKIN.
VLEP	FRA	188	50	375	10	SKIN.
WEL	GBR	375	100	560	150	SKIN.
TLV	ITA	375	100	568	150	SKIN.
OEL	NLD	375		563		SKIN.
NDS	POL	180		360		
OEL	EU	375	100	568	150	SKIN.
TLV-ACGIH		184	50	368	100	

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	10	mg/l
Normal value in marine water	1	mg/l
Normal value for fresh water sediment	52.3	mg/kg
Normal value for marine water sediment	5.2	mg/kg
Normal value for water, intermittent release	100	mg/l
Normal value of STP microorganisms	100	mg/l

**TALC****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2				
WEL	GBR	1				
OEL	NLD	0.25				
NDS	POL	1				RESP.
TLV-ACGIH		2				

**QUARTZ****Threshold Limit Value.**

Type	Country	TWA/8h	STEL/15min
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		mg/m3	ppm	mg/m3	ppm	
MAK	DEU	0.15				
VLA	ESP	0.05				
VLEP	FRA	0.1				RESP.
WEL	GBR	0.3				
OEL	NLD	0.075				RESP.
NDS	POL	2				INHAL.
NDS	POL	0.3				RESP.
TLV-ACGIH		0.025				

**ETHYLBENZENE****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	440	100	880	200	SKIN.
MAK	DEU	88	20	176	40	SKIN.
VLA	ESP	441	100	884	200	SKIN.
VLEP	FRA	88.4	20	442	100	SKIN.
WEL	GBR	441	100	552	125	SKIN.
TLV	ITA	442	100	884	200	SKIN.
OEL	NLD	215		430		SKIN.
NDS	POL	200		400		
OEL	EU	442	100	884	200	SKIN.
TLV-ACGIH		87	20			

**2-METHOXY-1-METHYLETHYL ACETATE****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	270	50	270	50	
MAK	DEU	270	50	270	50	
VLA	ESP	275	50	550	100	SKIN.
VLEP	FRA	275	50	550	100	SKIN.
WEL	GBR	274	50	548	100	
TLV	ITA	275	50	550	100	SKIN.
OEL	NLD	550				
NDS	POL	260		520		
OEL	EU	275	50	550	100	SKIN.

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0.635	mg/L
Normal value in marine water	0.0635	mg/L
Normal value for fresh water sediment	3.29	mg/kg
Normal value for marine water sediment	0.329	mg/kg
Normal value of STP microorganisms	100	mg/L
Normal value for the terrestrial compartment	0.29	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

	Effects on consumers.				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic

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		systemic	systemic	systemic
Oral.	VND	1,67 mg/kg		
Inhalation.	VND	33 mg/m3	VND	275 mg/m3
Skin.	VND	54,8 mg/kg	VND	153,5 mg/kg

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls.**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

**EYE PROTECTION**

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS.**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties.****9.1. Information on basic physical and chemical properties.**

Appearance

liquid

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Colour	ivory
Odour	characteristic of solvent
Odour threshold.	Not available.
pH.	Not available.
Melting point / freezing point.	Not available.
Initial boiling point.	> 35 °C.
Boiling range.	Not available.
Flash point.	< 23 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1.228 Kg/l
Solubility	immiscible with water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	>20,5 mm2/sec (40°C)
Explosive properties	Not available.
Oxidising properties	Not available.

### 9.2. Other information.

Solid content.	59,78 %
VOC (Directive 2010/75/EC) :	40,22 % - 493,50 g/litre.
VOC (volatile carbon) :	30.11 % - 369.82 g/litre.

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

1-METHOXY-2-PROPANOL ACETATE: stable but with the air it may slowly develop peroxides that explode with an increase in temperature.  
1-METHOXY-2-PROPANOL: absorbs and dissolves in water and in organic solvents, dissolves various plastic materials; it is stable but with air it may slowly form explosive peroxides.  
BUTANONE: reacts with light metals like aluminium, and with strong oxidising agents; attacks various types of plastic. Decomposes under the effect of heat.  
4-METHYLPENTAN-2-ONE: reacts violently with light metals, such as aluminium; attacks different types of plastic.

### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions.

The vapours may also form explosive mixtures with the air.

XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

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1-METHOXY-2-PROPANOL ACETATE: may react violently with oxidising agents and strong acids and alkaline metals.

ETHYLBENZENE: reacts violently with strong oxidising agents and attacks various types of plastics. Can form explosive mixtures with the air.

1-METHOXY-2-PROPANOL: can react dangerously with strong oxidising agents and strong acids.

BUTANONE: may generate peroxides on contact with air, light or oxidising agents. Risk of explosion on contact with: hydrogen peroxide and sulphuric acid. It may react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with the air.

4-METHYLPENTAN-2-ONE: can react violently with oxidising agents. In the presence of air it forms peroxides. Forms explosive mixtures with air when hot.

XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

### 10.4. Conditions to avoid.

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

1-METHOXY-2-PROPANOL ACETATE: store in an inert atmosphere, sheltered from moisture because it hydrolyses easily.

1-METHOXY-2-PROPANOL: avoid exposure to the air.

BUTANONE: avoid exposure to sources of heat.

4-METHYLPENTAN-2-ONE: avoid exposure to sources of heat.

### 10.5. Incompatible materials.

1-METHOXY-2-PROPANOL ACETATE: oxidising agents, strong acids and alkaline metals.

1-METHOXY-2-PROPANOL: oxidising agents, strong acids and alkaline metals.

BUTANONE: strong oxidising agents, inorganic acids, ammonia, copper and chloroform.

4-METHYLPENTAN-2-ONE: oxidising substances, reducing substances.

### 10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

ACETATO DI 1-METIL-2-METOSSILETILE: ossidi di carbonio.

ETHYLBENZENE: methane, styrene, hydrogen, ethane.

## SECTION 11. Toxicological information.

Non sono noti episodi di danno alla salute dovuti all'esposizione al prodotto. In ogni caso si raccomanda di operare nel rispetto delle regole di buona igiene industriale.

### 11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Acute effects: inhalation of this product may irritate the lower and upper respiratory tract and cause cough and respiratory disorders; at higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurries, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and

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exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

1-METHOXY-2-PROPANOL ACETATE: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

ETHYLBENZENE: like the benzene homologues, may exert an effect on the CNS with depression, narcosis, often preceded by dizziness and accompanied by headache. It is irritating to the skin, conjunctivae and respiratory apparatus.

1-METHOXY-2-PROPANOL: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

## XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral).3523 mg/kg Rat

LD50 (Dermal).4350 mg/kg Rabbit

LC50 (Inhalation).26 mg/l/4h Rat

## TITANIUM DIOXIDE

LD50 (Oral).&gt; 10000 mg/kg Rat

## BARIUM SULFATE

LD50 (Oral).&gt; 3000 mg/kg Mouse

## 2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral).8530 mg/kg Rat

LD50 (Dermal).&gt; 5000 mg/kg Rat

LC50 (Inhalation).23.88 mg/L Ratto

## ISOBUTYL ALCOHOL

LD50 (Oral).2460 mg/kg Rat

LD50 (Dermal).2460 mg/kg Rabbit

LC50 (Inhalation).19.2 mg/l/4h Rat

## ETHYLBENZENE

LD50 (Oral).3500 mg/kg Rat

LD50 (Dermal).15354 mg/kg Rabbit

LC50 (Inhalation).17.2 mg/l/4h Rat

## 1-METHOXY-2-PROPANOL

LD50 (Oral).5300 mg/kg Rat

LD50 (Dermal).13000 mg/kg Rabbit

LC50 (Inhalation).54.6 mg/l/4h Rat

## METHYL ETHYL KETONE

LD50 (Oral).2737 mg/kg Rat

LD50 (Dermal).6480 mg/kg Rabbit

LC50 (Inhalation).23.5 mg/l/8h Rat

## 4-METHYLPENTAN-2-ONE

LD50 (Oral).2080 mg/kg Rat

LD50 (Dermal).&gt; 16000 mg/kg Rabbit

LC50 (Inhalation).&gt; 8.2 mg/l/4h Rat

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XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral).3523 mg/kg Rat

LD50 (Dermal).4350 mg/kg Rabbit

LC50 (Inhalation).26 mg/l/4h Rat

### SECTION 12. Ecological information.

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

Utilizzare secondo le buone pratiche lavorative, evitando di disperdere il prodotto nell'ambiente. avvisare le autorità competenti se il prodotto ha raggiunto corsi d'acqua, fognature o se ha contaminato il suolo o la vegetazione.

#### 12.1. Toxicity.

XYLENE (MIXTURE OF ISOMERS)

LC50 - for Fish. > 4.2 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea. > 2.93 mg/l/48h Daphnia Magna

2-METHOXY-1-METHYLETHYL ACETATE

LC50 - for Fish. > 100 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea. > 408 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants.

> 100 mg/l/72h

Chronic NOEC for Fish. 47.5 mg/l Oncorhynchus mykiss

Chronic NOEC for Crustacea.

> 99 mg/l Daphnia magna

Chronic NOEC for Algae / Aquatic Plants.

> 999 mg/l Selenastrum capricornutum

ISOBUTYL ALCOHOL

LC50 - for Fish. > 1.43 mg/l/96h Pimephales promelas

EC50 - for Crustacea. > 1.1 mg/l/48h Daphnia pulex

METHYL ETHYL KETONE

LC50 - for Fish. > 2.993 mg/l/96h Pimephales promelas

EC50 - for Crustacea. > 508 mg/l/48h Daphnia Magna

XYLENE (MIXTURE OF ISOMERS)

LC50 - for Fish. > 4.2 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea. > 2.93 mg/l/48h Daphnia Magna

#### 12.2. Persistence and degradability.

Facilmente biodegradabile.

XYLENE (MIXTURE OF ISOMERS)

Solubility in water. mg/l 100 - 1000

Biodegradability: Information not available.



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Rapidly biodegradable.

**TALC**

Solubility in water. < 0.1 mg/l

**TITANIUM DIOXIDE**

Solubility in water. < 0.001 mg/l

Biodegradability: Information not available.

**BARIUM SULFATE**

Solubility in water. mg/l 0,1 - 100

Biodegradability: Information not available.

**2-METHOXY-1-METHYLETHYL ACETATE**

Solubility in water. > 10000 mg/l

Rapidly biodegradable.

**ISOBUTYL ALCOHOL**

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

**ETHYLBENZENE**

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

**1-METHOXY-2-PROPANOL**

Solubility in water. mg/l 1000 - 10000

Rapidly biodegradable.

**METHYL ETHYL KETONE**

Solubility in water. > 10000 mg/l

Rapidly biodegradable.

**4-METHYLPENTAN-2-ONE**

Solubility in water. > 10000 mg/l

Biodegradability: Information not available.

Rapidly biodegradable.

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XYLENE (MIXTURE OF ISOMERS)

Solubility in water. mg/l 100 - 1000

Biodegradability: Information not available.

**12.3. Bioaccumulative potential.**

Poco bioaccumulabile.

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water. 3.12

BCF. 25.9

2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: n-octanol/water. 1.2

ISOBUTYL ALCOHOL

Partition coefficient: n-octanol/water. 1

ETHYLBENZENE

Partition coefficient: n-octanol/water. 3.6

1-METHOXY-2-PROPANOL

Partition coefficient: n-octanol/water. < 1

METHYL ETHYL KETONE

Partition coefficient: n-octanol/water. 0.3

4-METHYLPENTAN-2-ONE

Partition coefficient: n-octanol/water. 1.9

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water. 3.12

BCF. 25.9

**12.4. Mobility in soil.**

Se il prodotto penetra nel terreno, è altamente mobile e può contaminare le falde acquifere. Si scioglie in acqua.

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XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: 2.73  
soil/water.

ISOBUTYL ALCOHOL

Partition coefficient: 0.31  
soil/water.

4-METHYLPENTAN-2-ONE

Partition coefficient: 2.008  
soil/water.

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: 2.73  
soil/water.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## SECTION 13. Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information.

### 14.1. UN number.

ADR / RID, IMDG, 1263  
IATA:

### 14.2. UN proper shipping name.

ADR / RID: PAINT or PAINT  
RELATED  
MATERIAL  
IMDG: PAINT or PAINT  
RELATED  
MATERIAL

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IATA: PAINT or PAINT  
 RELATED  
 MATERIAL

**14.3. Transport hazard class(es).**

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3

**14.4. Packing group.**

ADR / RID, IMDG, II  
 IATA:

**14.5. Environmental hazards.**

ADR / RID: NO

IMDG: NO

IATA: NO

**14.6. Special precautions for user.**

ADR / RID: HIN - Kemler: 33

Special Provision: 640C

IMDG: EMS: F-E, S-E,

IATA: Cargo:

Pass.:

Special Instructions:

Limited  
 Quantities: 5  
 L

Limited  
 Quantities: 5  
 L  
 Maximum  
 quantity: 60 L

Maximum  
 quantity: 5 L

A3, A72,  
 A192

Tunnel  
 restriction  
 code: (D/E)

Packaging  
 instructions:  
 364  
 Packaging  
 instructions:  
 353

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.**

Information not relevant.

**SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category.

7b

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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point.

3 - 40

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Product not intended for uses provided for by Dir. 2004/42/CE.

German regulation on the classification of substances hazardous to water (VwVwS 2005).

WGK 1: Low hazard to waters

### 15.2. Chemical safety assessment.

A chemical safety assessment has been performed for the following contained substances.

XYLENE (MIXTURE OF ISOMERS)

METHYL ETHYL KETONE

4-METHYLPENTAN-2-ONE

ISOBUTYL ALCOHOL

XYLENE (MIXTURE OF ISOMERS)



1-METHOXY-2-PROPANOL

2-METHOXY-1-METHYLETHYL ACETATE

**SECTION 16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H400</b>	Very toxic to aquatic life.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.
<b>EUH205</b>	Contains epoxy constituents. May produce an allergic reaction.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals

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- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

### GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - ECHA website

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.