

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

: Sika[®] MultiPrimer Marine

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

Product use	: Pretreatment agent
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1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Hellas ABEE
		15 Protomagias Street
		145 68 Kryoneri / Athens
Telephone	:	+30 210 81 60 600
Telefax	:	+30 210 81 60 606
E-mail address of person	:	EHS@gr.sika.com
responsible for the SDS		

1.4 Emergency telephone number

Poison Information Center + 30 210 77 93 777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 Eye irritation, Category 2 Specific target organ toxicity - single ex- posure, Category 3, Central nervous	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
system Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		
Signal word	:	Danger	•
Hazard statements	:	H225 H319 H336 H412	Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting ef- fects.

Sika[®] MultiPrimer Marine

Revision Date: 07.12.2023 Date of last issue: 27.01.2022



Supplemental Hazard Statements	:	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	Prevention:	
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P233	Keep container tightly closed.
		P261 P273	Avoid breathing mist or vapours. Avoid release to the environment.
		P273 P280	Wear protective gloves/ protective clothing/
			eye protection/ face protection.
		Response:	
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Version 6.0

Hazardous components which must be listed on the label:

ethyl acetate

Additional Labelling

EUH208 Contains dibutyltin dilaurate. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Revision Date: 07.12.2023 Date of last issue: 27.01.2022



SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
ethyl acetate	141-78-6 205-500-4 01-2119475103-46- XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 40 - < 60
reaction mass of ethylbenzene and xylene	Not Assigned 905-588-0 01-2119488216-32- XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 5 - < 10
methanol	67-56-1 200-659-6 01-2119433307-44- XXXX	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370 	< 1

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



dibutyltin dilaurate	77-58-7 201-039-8 01-2119496068-27- XXXX	Eye Irrit. 2; H319 Skin Sens. 1; H317 Muta. 2; H341 Boor. 18: H360ED	>= 0,25 - < 0,3
	****	Repr. 1B; H360FD STOT SE 1; H370 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	-

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

	General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
	If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
	In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
	In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
	If swallowed	:	Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
4.2	Most important symptoms and	l e	ffects, both acute and delayed
	Symptoms	:	Excessive lachrymation Erythema Loss of balance Vertigo See Section 11 for more detailed information on health effects and symptoms.
	Risks	:	irritant effects
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Version 6.0

Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

			Repeated exposure may cause skin dryness or cracking.
4.3	Indication of any immediate r	nec	lical attention and special treatment needed
	Treatment	:	Treat symptomatically.
SE	CTION 5: Firefighting meas	ure	es
5.1	Extinguishing media		
	Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
	Unsuitable extinguishing media	:	Water High volume water jet
5.2	Special hazards arising from	the	e substance or mixture
	Specific hazards during fire- fighting	:	Do not use a solid water stream as it may scatter and spread fire.
	Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3	Advice for firefighters		
	Special protective equipment for firefighters	•	In the event of fire, wear self-contained breathing apparatus.
	Further information	:	Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment.
	Remove all sources of ignition.
	Deny access to unprotected persons.
	Beware of vapours accumulating to form explosive concentra-
	tions. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions	:	Prevent product from entering drains.
		If the product contaminates rivers and lakes or drains inform
		respective authorities.



Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	Advice on safe handling	:	Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products
	Advice on protection against fire and explosion	:	Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
	Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, i	incl	uding any incompatibilities
	Requirements for storage areas and containers	:	Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.
	Further information on stor- age stability	:	No decomposition if stored and applied as directed.
7.3	Specific end use(s)		
	Specific use(s)	:	Consult most current local Product Data Sheet prior to any use.

Print Date 07.12.2023

Revision Date: 07.12.2023 Date of last issue: 27.01.2022

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parame-	Basis *				
		of exposure)	ters *					
ethyl acetate	141-78-6	STEL	400 ppm	2017/164/EU				
			1.468 mg/m3					
	Further information: Indicative							
		TWA	200 ppm	2017/164/EU				
			734 mg/m3					
		TWA	200 ppm	GR OEL				
			734 mg/m3					
		STEL	400 ppm	GR OEL				
			1.468 mg/m3					
reaction mass of ethylbenzene and xy-	Not Assigned	TWA	50 ppm	2000/39/EC				
lene			221 mg/m3					
		ation: Identifies the	possibility of signi	ficant uptake				
	through the sk	in, Indicative						
		STEL	100 ppm	2000/39/EC				
			442 mg/m3					
		TWA	100 ppm	GR OEL				
		435 mg/m3						
	Further information: The notation 'skin' (D), pointing out certain							
	chemical factors of the table of paragraph of 1 article 3, implies							
	the likely contribution to of these chemical factors to the quantity							
	of exposure to workers which are absorbed through the skin at the							
	direct contact with these.							
		STEL	150 ppm	GR OEL				
			650 mg/m3					
methanol	67-56-1	TWA	200 ppm	2006/15/EC				
			260 mg/m3					
	Further information: Indicative, Identifies the possibility of signifi-							
	cant uptake through the skin							
		TWA	200 ppm	GR OEL				
			260 mg/m3					
	Further information: The notation 'skin' (D), pointing out certain							
	chemical factors of the table of paragraph of 1 article 3, implies							
	the likely contribution to of these chemical factors to the quantity							
	of exposure to workers which are absorbed through the skin at the direct contact with these.							
	direct contact		050					
		STEL	250 ppm	GR OEL				
			325 mg/m3					

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value	
methanol	Workers	Skin contact		40 mg/m3	
	Exposure time: 8 h	ı			
	Consumers	Skin contact		260 mg/m3	
	Exposure time: 8 h				

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment	
Eye/face protection :	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection :	Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
	Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work.
Respiratory protection :	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work- ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Meth- ods for determining inhalation exposure). This applies in par- ticular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.
Environmental exposure contr	ols
General advice :	Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour Odour	:	liquid colourless hydrocarbon-like
Melting point/range / Freezing point	:	No data available

Sika[®] MultiPrimer Marine

Print Date 07.12.2023

Revision Date: 07.12.2023 Date of last issue: 27.01.2022		Version 6.0	Print Date 07.12.
Boiling point/boiling range	:	> 70 °C	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or	exp	plosive limits	
Upper explosion limit / Upper flammability limit	:	7 %(V)	
Lower explosion limit / Lower flammability limit	:	1 %(V)	
Flash point	:	ca4 °C Method: closed cup	
Auto-ignition temperature	:	427 °C	
		427 °C	
Decomposition temperature	:	No data available	
рН	:	Not applicable substance/mixture is non-soluble (in water)	
Viscosity			
Viscosity, dynamic	:	ca. 10 - 20 mPa.s (20 °C)	
Viscosity, kinematic	:	< 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	99,9915 hPa	
Density	:	ca. 0,98 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information			
Flammability (liquids)	:	Not applicable	

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions.			
		Vapours may form explosive mixture with air.			
10.4 Conditions to avoid Conditions to avoid	:	Heat, flames and sparks.			
10.5 Incompatible materials					

Materials to avoid

: Peroxides Strong acids and oxidizing agents Bases

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Components:

ethyl acetate: Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): ca. 1.600 mg/l Exposure time: 4 h Test atmosphere: vapour
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
reaction mass of ethylbenze Acute oral toxicity	ene :	and xylene: LD50 Oral (Rat): 3.523 mg/kg
dibutyltin dilaurate: Acute oral toxicity	:	LD50 Oral (Rat): 2.071 mg/kg

Sika[®] MultiPrimer Marine

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

reaction mass of ethylbenzene and xylene:

Toxicity to fish (Chronic tox-	:	NOEC: > 1,3 mg/l
icity)		Exposure time: 56 d

Sika[®] MultiPrimer Marine



Revision Date: 07.12.2023 Date of last issue: 27.01.2022		Version 6.0	Print Date 07.12
		Species: Oncorhynchus mykiss (rainbow trout)	
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: 1,17 mg/l Exposure time: 7 d Species: Daphnia (water flea)	
dibutyltin dilaurate:			
Toxicity to fish	:	LC50 (Fish): 3,1 mg/l Exposure time: 96 h	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 1 mg/l Exposure time: 48 h	
Toxicity to algae/aquatic plants	:	EC50 (Selenastrum capricornutum (green algae) Exposure time: 72 h): 1 - 10 mg/l
M-Factor (Acute aquatic tox- icity)	:	1	
M-Factor (Chronic aquatic toxicity)	:	1	
12.2 Persistence and degradabilit No data available	y		
12.3 Bioaccumulative potential No data available			
12.4 Mobility in soil No data available			
12.5 Results of PBT and vPvB ass	se	ssment	
Product:			
Assessment	:	This substance/mixture contains no components to be either persistent, bioaccumulative and toxic very persistent and very bioaccumulative (vPvB) 0.1% or higher	: (PBT), or
12.6 Endocrine disrupting propert	tie	S	
Product:			
Assessment	:	The substance/mixture does not contain componered to have endocrine disrupting properties accers REACH Article 57(f) or Commission Delegated re(EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	ording to egulation
12.7 Other adverse effects			
Product:			

Sika[®] MultiPrimer Marine

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



mation

unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	The generation of waste should be avoided or my wherever possible. Empty containers or liners may retain some proof This material and its container must be disposed vay. Dispose of surplus and non-recyclable products vaste disposal contractor. Disposal of this product, solutions and any by-pr at all times comply with the requirements of envi- protection and waste disposal legislation and an ocal authority requirements. Avoid dispersal of spilled material and runoff and soil, waterways, drains and sewers.	duct residues. I of in a safe via a licensed oducts should ronmental y regional
European Waste Catalogue	08 01 11* waste paint and varnish containing or vents or other dangerous substances	ganic sol-
Contaminated packaging	5 01 10* packaging containing residues of or copy dangerous substances	ontaminated

SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	UN 1866	
IMDG	:	UN 1866	
ΙΑΤΑ	:	UN 1866	
14.2 UN proper shipping name			
ADR	:	RESIN SOLUTION	
IMDG	:	RESIN SOLUTION	
ΙΑΤΑ	:	Resin solution	
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADR	:	3	
IMDG	:	3	
ΙΑΤΑ	:	3	

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0



14.4 Packing group

ADR

Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	:	II F1 33 3 (D/E)
IMDG Packing group Labels EmS Code	:	ll 3 F-E, <u>S-E</u>
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	: : : :	364 Y341 II Flammable Liquids
IATA (Passenger)		252

Packing instruction (passen-		353
ger aircraft)		
Packing instruction (LQ)	:	Y341
Packing group	:	II
Labels	:	Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous	:	no
IMDG Marine pollutant	:	no
IATA (Passenger) Environmentally hazardous	:	no
IATA (Cargo) Environmentally hazardous	:	no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

: Not applicable

Sika[®] MultiPrimer Marine

Print Date 07.12.2023

Revision Date: 07.12.2023 Date of last issue: 27.01.2022 Version 6.0

REACH	Information:
ILC AUT	mornation.

All substances contained in our Products are

- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

REACH - Restrictions on the man the market and use of certain dan mixtures and articles (Annex XVII)	gerous substances,	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3
REACH - Candidate List of Substa Concern for Authorisation (Article		:	None of the components are listed $(=> 0.1 \%)$.
REACH - List of substances subje (Annex XIV)	ect to authorisation	:	Not applicable
Regulation (EC) No 1005/2009 on plete the ozone layer	substances that de-	:	Not applicable
Regulation (EU) 2019/1021 on pe tants (recast)	rsistent organic pollu-	:	Not applicable
Regulation (EC) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals			dibutyltin dilaurate
Seveso III: Directive 2012/18/EU o jor-accident hazards involving dar P5c			and of the Council on the control of ma-
Volatile organic compounds : Law on the incentive tax (VOCV)			r volatile organic compounds

Volatile organic compounds (VOC) content: 66,34% w/w

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 66,61% w/w

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Revision Date: 07.12.2023 Date of last issue: 27.01.2022

Version 6.0



SECTION 16: Other information

Full text of H-Statements

H225		Highly flammable liquid and vapour.
H226	:	Flammable liquid and vapour.
H301	1	Toxic if swallowed.
H304	1	May be fatal if swallowed and enters airways.
	1	
H311	:	Toxic in contact with skin. Harmful in contact with skin.
H312	÷	
H315	÷	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H331	:	Toxic if inhaled.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H341	:	Suspected of causing genetic defects.
H360FD	:	May damage fertility. May damage the unborn child.
H370	:	Causes damage to organs if swallowed.
H370	:	Causes damage to organs.
H372	:	Causes damage to organs through prolonged or repeated
		exposure if swallowed.
H373	:	May cause damage to organs through prolonged or repeated
		exposure if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.
Full tout of other algebrasistic		
Full text of other abbreviatio	ns	
Acute Tox.	ns :	Acute toxicity
Acute Tox. Aquatic Acute	ns : :	Short-term (acute) aquatic hazard
Acute Tox. Aquatic Acute Aquatic Chronic	ns : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox.	ns : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit.	ns : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox.	ns : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit.	ns : : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq.	ns 	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta.	ns : : : : : : : : : : : : : : : : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr.	ns : : : : : : : : : : : : : : : : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr. Skin Irrit. Skin Sens.	ns : : : : : : : : : : : : : : : : : : :	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity Skin irritation Skin sensitisation
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr. Skin Irrit. Skin Sens. STOT RE	ns	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr. Skin Irrit. Skin Sens. STOT RE STOT SE	ns	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr. Skin Irrit. Skin Sens. STOT RE	ns	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Commission Directive 2000/39/EC establishing a first
Acute Tox. Aquatic Acute Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Muta. Repr. Skin Irrit. Skin Sens. STOT RE STOT SE 2000/39/EC	ns	Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Germ cell mutagenicity Reproductive toxicity Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
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GR OEL / TWA GR OEL / STEL ADR	 Long term exposure limit Short term exposure limit European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS DNEL EC50 GHS IATA IMDG LD50	 Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods Median lethal dosis (the amount of a material, given all at
LC50	 once, which causes the death of 50% (one half) of a group of test animals) Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	 International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL PBT PNEC REACH	 Occupational Exposure Limit Persistent, bioaccumulative and toxic Predicted no effect concentration Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency
SVHC vPvB	 Substances of Very High Concern Very persistent and very bioaccumulative

Further information

Classification of the mixt	ure:	Classification procedure:
Flam. Liq. 2	H225	Based on product data or assessment
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Chronic 3	H412	Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

GR / EN