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

1.1 Product identifier

Trade name : Primer T 501

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

Product use : Pretreatment agent, For professional users only.

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		-

1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 Acute toxicity, Category 4	H226: Flammable liquid and vapour. H332: Harmful if inhaled.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single ex- posure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure if inhaled.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters air- ways.
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)



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Hazard pictograms :				
Signal word :	Danger	• •		
Hazard statements :	H226 H304 H312 + H332 H315 H319 H335 H373 H412	Flammable liquid and vapour May be fatal if swallowed and Harmful in contact with skin of Causes skin irritation. Causes serious eye irritation May cause respiratory irritati May cause damage to organ longed or repeated exposure Harmful to aquatic life with lo fects.	d enters airways. or if inhaled. on. is through pro- e if inhaled.	
Precautionary statements :	Prevention:			
	P210 P260 P264	Keep away from heat, hot su open flames and other ignitic smoking. Do not breathe mist or vapou Wash skin thoroughly after h	on sources. No urs.	
	Response:			
	P301 + P310	IF SWALLOWED: Immediate POISON CENTER/ doctor.	ely call a	
	P331 P370 + P378	Do NOT induce vomiting. In case of fire: Use dry sand, alcohol-resistant foam to exti	-	

Hazardous components which must be listed on the label:

reaction mass of ethylbenzene and xylene

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.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
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	>=80

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 effects, both acute and delayed

Symptoms	: Aspiration may cause pulmonary oedema and pneumonitis.
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	Cough Respiratory disorder Excessive lachrymation Erythema Headache Dermatitis Skin disorders See Section 11 for more detailed inform and symptoms.	nation on health effects
Risks	 Risk of serious damage to the lungs (by irritant effects May be fatal if swallowed and enters air Harmful in contact with skin or if inhaled Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. 	rways. J.
	May cause damage to organs through performed and the second second second second second second second second se	prolonged or repeated

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically.

SECTION 5: Firefighting measures

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 Specific hazards during fire- fighting		e substance or mixture Extremely flammable aerosol. Do not use a solid water stream as it may scatter and spread fire.
		Do not use a solid water stream as it may scatter and spread fire.
Hazardous combustion prod- ucts	:	Carbon dioxide (CO2)
		No hazardous combustion products are known



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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 releas	-	measures e equipment and emergency procedures	
Personal precautions	:		ve 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.

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	 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. Provide sufficient air exchange and/or exhaust in work rooms. 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



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Advice on protection against : fire and explosion	Use explosion-proof equipment. Keep away fro open flames/ hot surfaces. No smoking. Take measures against electrostatic discharges.	•
Hygiene measures :	Handle in accordance with good industrial hyg practice. When using do not eat or drink. Whe smoke. Wash hands before breaks and at the	n using do not
7.2 Conditions for safe storage, inc	luding any incompatibilities	
Requirements for storage : areas and containers	Keep container tightly closed in a dry and well place. Containers which are opened must be o sealed and kept upright to prevent leakage. St ance with local regulations.	carefully re-
Further information on stor- : age stability	No decomposition if stored and applied as dire	ected.
7.3 Specific end use(s)		
Specific use(s) :	Consult most current local Product Data Shee use.	t prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *			
reaction mass of ethylbenzene and xy- lene	Not Assigned	TWA	50 ppm 221 mg/m3	2000/39/EC			
	Further information	Further information: Identifies the possibility of significant uptake					
	through the sk	in, Indicative		•			
		STEL	100 ppm 442 mg/m3	2000/39/EC			
		TWA	50 ppm 220 mg/m3	GB EH40			
	Further information: Can be absorbed through the skin. The as-						
	signed substances are those for which there are concerns that						
	dermal absorption will lead to systemic toxicity.						
		STEL	100 ppm 441 mg/m3	GB EH40			

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

Biological occupational exposure limits

Substance name	CAS-No.	Control parame-	Sampling time	Basis
		ters		
reaction mass of ethylbenzene and xylene	Not Assigned	methyl hippuric acid: 650 Millimo- les per mole Cre-	After shift	GB EH40 BAT



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	atinine (Urine)					
2 Exposure controls						
Engineering measures						
	elow occupational exposure standards. especially in confined areas.					
Personal protective equipr	nent					
Eye protection	: Safety glasses with side-shields confor	rming to EN166				
Llond meets ation	Eye wash bottle with pure water					
Hand protection	: Chemical-resistant, impervious gloves proved standard must be worn at all tir					
	chemical products. Reference number					
	facturer specifications.					
	Suitable for short time use or protection					
		Butyl rubber/nitrile rubber gloves (> 0,1 mm)				
	Suitable for permanent exposure:	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 a					
	long-sleeved working clothing, long tro					
	and protective boots are additionaly re and stirring work.	commended for mixing				
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 pro	oduct 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 exposur					
	ticular to the mixing / stirring area. In ca to keep the concentrations under the o					
	limits then respiration protection measured					
	Ensure adequate ventilation, especially					

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



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Physical state Colour Odour	liquid yellow, trans solvent-like	sparent	
Melting point/range / Freezing point	No data ava	ilable	
Boiling point/boiling range	ca. 140 °C		
Flammability (solid, gas)	No data ava	ilable	
Upper/lower flammability or	plosive limits		
Upper explosion limit / Up- per flammability limit	Upper explo 8 %(V) (20 °C)	ision limit	
Lower explosion limit / Lower flammability limit	Lower explo 1 %(V) (20 °C)	sion limit	
Flash point	ca. 30 °C Method: clo	sed cup	
Auto-ignition temperature	ca. 460 °C		
Decomposition temperature	No data ava	ilable	
рН	Not applicat substance/n	ble nixture is non-soluble (in water)	
Viscosity			
Viscosity, dynamic	20 - 30 mPa	n.s (20 °C)	
Viscosity, kinematic	< 20,5 mm2	/s (40 °C)	
Solubility(ies) Water solubility	insoluble		
Partition coefficient: n- octanol/water	No data ava	ilable	
Vapour pressure	0,5 - 1,0 hP	a (20 °C)	
Density	ca. 0,87 g/c	m3 (20 °C)	
Relative vapour density	No data ava	ilable	
Particle characteristics	No data ava	ilable	



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9.2 Other information No data available		

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperature and pressure. No dangerous reaction known under conditions of normal use. No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed. 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 : No da	ta available
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10.6 Hazardous decomposition products

No decomposition if stored and applied as directed. Risk of ignition.

SECTION 11: Toxicological information

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

Acute toxicity

Harmful in contact with skin or if inhaled.

Components:

reaction mass of ethylbenzene and xylene:

Acute oral toxicity : LD50 Oral (Rat): 3.523 mg/kg

Skin corrosion/irritation

Causes skin irritation.



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Serious eye damage/eye irritat Causes serious eye irritation.	ion	
Respiratory or skin sensitisati	on	
Skin sensitisation Not classified based on available	information.	
Respiratory sensitisation Not classified based on available	e information.	
Germ cell mutagenicity Not classified based on available	information.	
Carcinogenicity Not classified based on available	information.	
Reproductive toxicity Not classified based on available	e information.	
STOT - single exposure May cause respiratory irritation.		
STOT - repeated exposure May cause damage to organs th	rough prolonged or repeated exposure if inl	haled.
Aspiration toxicity May be fatal if swallowed and en	ters airways.	
11.2 Information on other hazards		
Endocrine disrupting propertie	es	
Product:		
Assessment :	The substance/mixture does not contain e ered to have endocrine disrupting proper REACH Article 57(f) or Commission Dele (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ties according to gated regulation

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
		Species: Oncorhynchus mykiss (rainbow trout)



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Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	NOEC: 1,17 mg/l Exposure time: 7 d Species: Daphnia (water flea)	
12.2 Persistence and degradability No data available	,	
12.3 Bioaccumulative potential No data available		
12.4 Mobility in soil No data available		
12.5 Results of PBT and vPvB ass	essment	
<u>Product:</u> Assessment :	This substance/mixture contains no compor to be either persistent, bioaccumulative and very persistent and very bioaccumulative (v 0.1% or higher	toxic (PBT), or
12.6 Endocrine disrupting propert	ies	
Product:		
Assessment :	The substance/mixture does not contain cor ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delega (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	s according to ted regulation
12.7 Other adverse effects		
Product: Additional ecological infor- : mation	An environmental hazard cannot be exclude unprofessional handling or disposal. Harmful to aquatic life with long lasting effec	
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods		
Product :	The generation of waste should be avoided wherever possible. Empty containers or liners may retain some This material and its container must be disp	product residues.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should



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		at all times comply with the requirements of protection and waste disposal legislation ar local authority requirements. Avoid dispersal of spilled material and runo soil, waterways, drains and sewers.	nd any regional
European Waste Catalogue	:	14 06 03* other solvents and solvent mixtu	res
Contaminated packaging	:	15 01 10* packaging containing residues of by dangerous substances	or contaminated

SECTION 14: Transport information

14.1 UN number or ID number					
ADR	:	UN 1263			
IMDG	:	UN 1263			
ΙΑΤΑ	:	UN 1263			
14.2 UN proper shipping name					
ADR	:	PAINT RELATED MATERIAL			
IMDG	:	PAINT RELATED MATERIAL			
ΙΑΤΑ	:	Paint related material			
14.3 Transport hazard class(es)					
ADR	:	3			
IMDG	:	3			
ΙΑΤΑ	:	3			
14.4 Packing group					
ADR Packing group		111			
Classification Code	:	F1			
Hazard Identification Number Labels	:	30 3			
Tunnel restriction code	:	(D/E)			
IMDG					
Packing group	:				
Labels EmS Code	:	3 F-E, S-E			
IATA (Cargo)					
Packing instruction (cargo aircraft)	:	366			
Packing instruction (LQ)	:	Y344			



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Packing group Labels	:	III Flammable Liquids	
IATA (Passenger) Packing instruction (passen- ger aircraft)	:	355	
Packing instruction (LQ) Packing group Labels	:	Y344 III 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 use	r		

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	: Conditions of restriction for the fol- lowing entries should be considered:
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	: Not applicable
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	: Not applicable
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation	: Not applicable
Control of Major Accident Hazards Regulations P5c	FLAMMABLE LIQUIDS
2015 (COMAH) Volatile organic compounds : Law on the incentive ta	ax for volatile organic compounds
(VOCV)	5



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	Volatile organic compounds (VOC) content: 909	% w/w
	Directive 2010/75/EU of 24 November 2010 on emissions (integrated pollution prevention and o Volatile organic compounds (VOC) content: 909	control)
If other regulatory information ap Sheet, then it is described in this	pplies that is not already provided elsewhere in the subsection.	Safety Data
Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	 Environmental Protection Act 1990 & Subsidiary Health and Safety at Work Act 1974 & Subsidiary Control of Substances Hazardous to Health Reg (COSHH) May be subject to the Control of Major Accident Regulations (COMAH), and amendments. 	ry Regulations gulations
Other regulations:		

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements

H226	:	Flammable liquid and vapour.
H304	:	May be fatal if swallowed and enters airways.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.
H412	:	Harmful to aquatic life with long lasting effects.
Full text of other abbreviation	ns	
· · · ·		
Acute Tox.	:	Acute toxicity
Acute Tox. Aquatic Chronic	:	Acute toxicity Long-term (chronic) aquatic hazard
Aquatic Chronic Asp. Tox.	:	Long-term (chronic) aquatic hazard Aspiration hazard
Aquatic Chronic Asp. Tox. Eye Irrit.	::	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq.	· · · · · · · · · · · · · · · · · · ·	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit.	•••••••••••••••••••••••••••••••••••••••	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit. STOT RE	•••••••••••••••••••••••••••••••••••••••	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation Specific target organ toxicity - repeated exposure
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit. STOT RE STOT SE	· · · · · · · · · · · · · · · · · · ·	Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit. STOT RE		Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation Specific target organ toxicity - repeated exposure
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit. STOT RE STOT SE		Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Commission Directive 2000/39/EC establishing a first
Aquatic Chronic Asp. Tox. Eye Irrit. Flam. Liq. Skin Irrit. STOT RE STOT SE 2000/39/EC		Long-term (chronic) aquatic hazard Aspiration hazard Eye irritation Flammable liquids Skin irritation 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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2000/39/EC / TWA	: Limit Value - eight hours	
2000/39/EC / STEL	: Short term exposure limit	
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA re	eference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute ref	
ADR	: European Agreement concerning the Int	ernational Carriage of
	Dangerous Goods by Road	-
CAS	: Chemical Abstracts Service	
DNEL	: Derived no-effect level	
EC50	: Half maximal effective concentration	
GHS	: Globally Harmonized System	
ΙΑΤΑ	: International Air Transport Association	
IMDG	: International Maritime Code for Dangero	
LD50	: Median lethal dosis (the amount of a ma	
	once, which causes the death of 50% (o	ne half) of a group of
	test animals)	
LC50	: Median lethal concentration (concentrati	
	air that kills 50% of the test animals duri	ng the observation
	period)	
MARPOL	: International Convention for the Prevent	
	Ships, 1973 as modified by the Protocol	of 1978
OEL PBT	: Occupational Exposure Limit: Persistent, bioaccumulative and toxic	
PBT	: Predicted no effect concentration	
REACH	: Regulation (EC) No 1907/2006 of the Eu	ronoon Dorliamont
REACH	and of the Council of 18 December 2006	
	istration, Evaluation, Authorisation and F	
	cals (REACH), establishing a European	
SVHC	: Substances of Very High Concern	
vPvB	: Very persistent and very bioaccumulative	e
		-

Further information

Classification of the m	ixture:	Classification procedure:
Flam. Liq. 3	H226	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Acute Tox. 4	H312	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method
Asp. Tox. 1	H304	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.



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Changes as compared to previous version !

GB / EN