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

1.1 Product identifier

Trade name

: Sika[®] Aktivator-100

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

Product use : Pretreatment agent

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Ireland Ltd
		Sika House
		Ballymun Industrial Estate
		Dublin 11
Telephone	:	+353 1862 0709
E-mail address of person	:	EHS@UK.Sika.com
responsible for the SDS		

1.4 Emergency telephone number

National Poisons Information Centre (NPIC) (01) 809 2166 (available 8am - 10pm every day)

Sika Ireland (01) 862 0709 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters air- ways.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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2.2 Label elements

Labelling (REGULATION (EC Hazard pictograms	C) N :	No 1272/2008	
		1	
Signal word	:	Danger	
Hazard statements	:	H304 H315 H317 H318 H336	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention:	
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P301 + P310	0 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
		P305 + P351	1 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove con- tact lenses, if present and easy to do. Con- tinue rinsing. Immediately call a POISON CENTER/ doctor.
		P331 P370 + P378	
		P391	alcohol-resistant foam to extinguish. Collect spillage.

Hazardous components which must be listed on the label:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics N-(3-(trimethoxysilyl)propyl)ethylenediamine tris(dodecylbenzenesulphonato-O)(propan-2-olato)titanium

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.





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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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Contains: cyclohexane 2%	Registration number Not Assigned 927-510-4 01-2119475515-33- XXXX	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>=80
ethanol	64-17-5 200-578-6 01-2119457610-43- XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 specific concentration limit Eye Dam. 2; H319 >= 50 %	>= 5 - < 10
N-(3- (trimethoxysi- lyl)propyl)ethylenediamine Contains: N,N'-bis[3- (trimethoxysi- lyl)propyl]ethylenediamine <= 3 % 1-(2-Aminoethyl)-2,2-dimethoxy-1- aza-2-silacyclopentane <= 3 %	1760-24-3 217-164-6 01-2119970215-39- XXXX	Eye Dam. 1; H318 Skin Sens. 1B; H317 STOT SE 3; H335 (Respiratory system)	>= 2,5 - < 3
tris(dodecylbenzenesulphonato- O)(propan-2-olato)titanium	61417-55-8 262-777-4	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 2,5 - < 3

For explanation of abbreviations see section 16.



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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	 Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
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. Allergic reactions Excessive lachrymation Erythema Dermatitis Loss of balance Vertigo See Section 11 for more detailed information on health effects and symptoms.
Risks	: Risk of serious damage to the lungs (by aspiration). irritant effects sensitising effects
	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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4.3 Indication of any immediate r Treatment	ne :	dical attention and special treatment needed Treat symptomatically.	
SECTION 5: Firefighting meas	sur	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 scatt fire. Do not allow run-off from fire fighting to enter d courses.	
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 breathin	ng apparatus.
Further information	:	Use water spray to cool unopened containers. Collect contaminated fire extinguishing water so must not be discharged into drains. Fire residues and contaminated fire extinguishi be disposed of in accordance with local regulat	ng water must

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.

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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. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application 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	ncl	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

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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use.

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 *
ethanol	64-17-5	OELV - 15 min (STEL)	1.000 ppm	IE OEL

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

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *		
methanol	67-56-1	TWA	200 ppm 260 mg/m3	2006/15/EC		
		Further information: Indicative, Identifies the possibility of signifi- cant uptake through the skin				
		OELV - 8 hrs (TWA)	200 ppm 260 mg/m3	IE OEL		
	trate intact s	Further information: Substances which have the capacity to pene- trate intact skin when they come in contact with it, and be ab- sorbed into the body				

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

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		ty glasses with side-shields conforming to EN166 wash bottle with pure water
Hand protection	prov cher factu Suita Buty Cont Suita Vitor	mical-resistant, impervious gloves complying with an ap- ed standard must be worn at all times when handling nical products. Reference number EN 374. Follow manu- anu- trer specifications. able for short time use or protection against splashes: I rubber/nitrile rubber gloves (> 0,1 mm) aminated gloves should be removed. able for permanent exposure: n gloves (0.4 mm), kthrough time >30 min.
Skin and body protection		ective clothing (e.g. Safety shoes acc. to EN ISO 20345, sleeved working clothing, long trousers). Rubber aprons

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		and protective boots are additionaly reco and stirring work.	ommended for mixing
Respiratory protection		In case of inadequate ventilation wear re Respirator selection must be based on k exposure levels, the hazards of the prod- ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < Ensure adequate ventilation. This can be exhaust extraction or by general ventilati ods for determining inhalation exposure) ticular to the mixing / stirring area. In cas to keep the concentrations under the occ limits then respiration protection measure	10000 ppm e achieved by local fon. (EN 689 - Meth- . This applies in par- se this is not sufficent cupational exposure
Environmental exposure co	ontro	S	
General advice		Prevent product from entering drains. If the product contaminates rivers and la respective authorities.	kes or drains inform

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

information on basic physica	i an	a chemical propertie
Physical state Colour	:	liquid colourless
Odour	:	hydrocarbon-like
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	ca. 78 °C
Flammability (solid, gas)	:	No data available
Upper/lower flammability or	exp	losive limits
Upper explosion limit / Up- per flammability limit	-	
Lower explosion limit / Lower flammability limit	:	1,1 %(V)
Flash point	:	ca4 °C Method: closed cup

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
рН	: Not applicable substance/mixture is non-soluble (in water)	
Viscosity		
Viscosity, kinematic	: < 20,5 mm2/s (40 °C)	
Solubility(ies)		
Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 58 hPa	
Density	: ca. 0,727 g/cm3 (20 °C)	
Polotivo vonour doncitur	: No data available	
Relative vapour density		
Particle characteristics	: No data available	

9.2 Other information

No data available

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.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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10.4 Conditions to avoid		
Conditions to avoid	: Heat, flames and sparks.	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decompositior	-	
Hazardous decomposition products	: methanol	
SECTION 11: Toxicological		
	ses as defined in Regulation (EC) No 1272/20	JU8
Acute toxicity Not classified due to lack of	lata	
	iala.	
Components:		
N-(3-(trimethoxysilyl)prop Acute oral toxicity	I)ethylenediamine: : LD50 Oral (Rat): 2.995 mg/kg	
Skin corrosion/irritation Causes skin irritation.		
Serious eye damage/eye i	itation	
Causes serious eye damage		
Respiratory or skin sensit	sation	
Skin sensitisation		
May cause an allergic skin r	action.	
Respiratory sensitisation		
Not classified due to lack of	lata.	
Germ cell mutagenicity		
Not classified due to lack of	lata.	
Carcinogenicity		
Not classified due to lack of	lata.	
Reproductive toxicity		
Not classified due to lack of	lata.	
STOT - single exposure		
May cause drowsiness or di	ziness.	
STOT - repeated exposure		
Not classified due to lack of	lata.	

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Aspiration toxicity

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

Not classified due to lack of data.

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

No data available

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 assessment

Product:

Assessment

: 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..

12.6 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.

12.7 Other adverse effects

Product:

Additional ecological infor- : An environmental hazard cannot be excluded in the event of

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mation

unprofessional handling or disposal. Toxic 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 minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. European Waste Catalogue 2 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances Contaminated packaging : 15 01 10* packaging containing residues of or contaminated by dangerous substances

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	

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14.4 Packing group

Cla Ha La	DR acking group assification Code azard Identification Number bels unnel restriction code	:	II F1 33 3 (D/E)
Pa La	DG acking group bels nS Code	:	II 3 F-E, <u>S-E</u>
Pa air Pa Pa	TA (Cargo) acking instruction (cargo craft) acking instruction (LQ) acking group bels	:	364 Y341 II Flammable Liquids
Pa ge Pa Pa	TA (Passenger) acking instruction (passen- ar aircraft) acking instruction (LQ) acking group bels		Y341 II
14.5 Er	nvironmental hazards		
	DR Ivironmentally hazardous	:	yes
	DG arine pollutant	:	yes

ΙΑΤΑ	(Passenger)

IATA (Cargo) Environmentally hazardous : yes

14.6 Special precautions for user

Environmentally hazardous

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

yes

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) : Not applicable



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Schedules of Toxic Chemicals an	d Precursors			
REACH Information:	All substances containe - registered by our upst - registered by us, and/ - excluded from the reg - exempted from the reg	trea ′or jula	m suppliers, and/or tion, and/or	
REACH - Restrictions on the man the market and use of certain dan mixtures and articles (Annex XVII	gerous substances,	:	Conditions of restrictio lowing entries should b Number on list 3	
			Number on list 75	
REACH - Candidate List of Substa Concern for Authorisation (Article		:	None of the componer (=> 0.1 %).	nts are listed
REACH - List of substances subje (Annex XIV)	ect to authorisation	:	Not applicable	
Regulation (EU) No 2024/590 on plete the ozone layer	substances that de-	:	Not applicable	
Regulation (EU) 2019/1021 on pe tants (recast)	rsistent organic pollu-	:	Not applicable	
Regulation (EU) No 649/2012 of t ment and the Council concerning of dangerous chemicals		:	Not applicable	
Seveso III: Directive 2012/18/EU jor-accident hazards involving dar P5c			and of the Council on t	he control of ma-
II E2	ENVIRONMENTAL HA	ZA	RDS	
34	Petroleum products: (a (including jet fuels), (c) heating oils and gas oil alternative fuels serving properties as regards fl as the products referred	gas ble g th lam	s oils (including diesel fuending streams),(d) hea e same purposes and v mability and environme	uels, home vy fuel oils (e) vith similar

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

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(VOCV)

Volatile organic compounds (VOC) content: 94,09% w/w

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 94,09% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environ-	 Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation	Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or	Control of Substances Hazardous to Health Regulations
mixture:	(COSHH)
	May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

15.2 Chemical safety assessment

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

SECTION 16: Other information

H225 H302 H304 H314 H315 H317 H318 H319 H335 H336 H411		 Highly flammable liquid and vapour. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox. Aquatic Chronic Asp. Tox. Eye Dam. Eye Irrit. Flam. Liq. Skin Corr. Skin Irrit. Skin Sens.		Acute toxicity Long-term (chronic) aquatic hazard Aspiration hazard Serious eye damage Eye irritation Flammable liquids Skin corrosion Skin irritation Skin sensitisation
STOT SE 2006/15/EC IE OEL	:	Specific target organ toxicity - single exposure Europe. Indicative occupational exposure limit values Ireland. List of Chemical Agents and Carcinogens with Occu-

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Revision Date: 21.02.2025 Version 6.0 Print Date 28.03.2025 Date of last issue: 30.01.2025 pational Exposure Limit Values - Code of Practice, Schedule 1 and 2 2006/15/EC / TWA Limit Value - eight hours Occupational exposure limit value (8-hour reference period) IE OEL / OELV - 8 hrs (TWA) IE OEL / OELV - 15 min Occupational exposure limit value (15-minute reference peri-(STEL) od) ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road CAS **Chemical Abstracts Service** Derived no-effect level DNEL **EC50** Half maximal effective concentration **Globally Harmonized System** GHS : IATA International Air Transport Association IMDG International Maritime Code for Dangerous Goods LD50 Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) LC50 Median lethal concentration (concentrations of the chemical in • air that kills 50% of the test animals during the observation period) International Convention for the Prevention of Pollution from MARPOL Ships, 1973 as modified by the Protocol of 1978 OEL **Occupational Exposure Limit** : Persistent, bioaccumulative and toxic PBT PNEC Predicted no effect concentration REACH Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency SVHC Substances of Very High Concern vPvB Very persistent and very bioaccumulative

Further information

Classification of the mixture:		Classification procedure:
Flam. Liq. 2	H225	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	Calculation method
Aquatic Chronic 2	H411	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.

IE / EN

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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