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

### **1.1 Product identifier**

Trade name

SikaCor<sup>®</sup> ZP Primer / SikaCor<sup>®</sup> ZP-1 Part B

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

Product use

: Corrosion protection, For professional users only.

### 1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V.
		Zonnebaan 56
		3542 EG Utrecht
		Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person	:	EHS@nl.sika.com
responsible for the SDS		

### **1.4 Emergency telephone number**

+31-57-0854201

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, 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.

### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

tion (EU) 2020/878

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Hazard pictograms :			
Signal word :	Warning		
Hazard statements :	H315 Ca H317 Ma H319 Ca H332 Ha H335 Ma H373 Ma	ammable liquid and vapour. auses skin irritation. ay cause an allergic skin read auses serious eye irritation. armful if inhaled. ay cause respiratory irritation ay cause damage to organs t repeated exposure if inhaled	hrough prolonged
Precautionary statements :	<b>Prevention:</b> P210 P260 P264 P280	Keep away from heat, hot open flames and other ign smoking. Do not breathe mist or vap Wash skin thoroughly afte Wear protective gloves/ pr eye protection/ face protection	iition sources. No pours. r handling. rotective clothing/
	<b>Response:</b> P303 + P361 + P370 + P378	P353 IF ON SKIN (or hair ately all contaminated clot with water. In case of fire: Use dry sat	): Take off immedi- hing. Rinse skin

### Hazardous components which must be listed on the label:

Hexamethylene diisocyanate, oligomers reaction mass of ethylbenzene and xylene

### Additional Labelling

"As from 24 August 2023 adequate training is required before industrial or professional use."

alcohol-resistant foam to extinguish.

### 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)
Hexamethylene diisocyanate, oligomers Contains: hexamethylene-di-isocyanate <= 0,49 %	28182-81-2 Not Assigned	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system) Acute toxicity esti- mate Acute inhalation tox- icity (dust/mist): 1,5 mg/l	>= 60 - < 80
2-methoxy-1-methylethyl acetate Contains: 2-methoxypropyl acetate <= 1 %	108-65-6 203-603-9 01-2119475791-29- XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	>= 10 - < 20
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 (hearing organs) Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 10 - < 20

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

4.1 C	Descript	ion of	first	aid	measures
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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.
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In case of skin contact :	Take off contaminated clothing and shoes imme Wash off with soap and plenty of water. If symptoms persist, call a physician.	ediately.
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 unconsciou	
4.2 Most important symptoms and	effects, both acute and delayed	
Symptoms :	Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed information of and symptoms.	n health effects
Risks :	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause damage to organs through prolonge exposure if inhaled. irritant effects	ed or repeated
	sensitising effects	
4.3 Indication of any immediate me Treatment :	dical attention and special treatment needed 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

For personal protection see section 8.

**SECTION 7: Handling and storage** 

/ national regulations (see section 13).

### 7.1 Precautions for safe handling

6.4 Reference to other sections

i locadiello lei cale halla		
Advice on safe handling	secti Do n For j	d exceeding the given occupational exposure limits (see on 8). ot get in eyes, on skin, or on clothing. personal protection see section 8. ons with a history of skin sensitisation problems or asth-

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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.

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## **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.					
6.3 Methods and material for containment and cleaning up						
Methods for cleaning up :	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local					

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		ma, allergies, chronic or recurrent respiratory of not be employed in any process in which this m used. Smoking, eating and drinking should be prohib plication area. Take precautionary measures against static dis Provide sufficient air exchange and/or exhaust Open drum carefully as content may be under Take necessary action to avoid static electricity (which might cause ignition of organic vapours Follow standard hygiene measures when hand products	nixture is being ited in the ap- scharge. in work rooms. pressure. y discharge ).
Advice on protection against fire and explosion	:	Use explosion-proof equipment. Keep away fro open flames/ hot surfaces. No smoking. Take p measures against electrostatic discharges.	
Hygiene measures	:	Handle in accordance with good industrial hygi practice. When using do not eat or drink. When 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	:		arefully re-
Further information on stor- age stability	:	No decomposition if stored and applied as dire	cted.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet use.	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 *
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC
	Further inform through the sk	ation: Identifies the kin, Indicative	possibility of signi	ficant uptake
		TWA	50 ppm 275 mg/m3	2000/39/EC
		TLV-8hr	100 ppm 550 mg/m3	NL WG

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reaction mass of ethylbenzene and xy- lene	Not Assigned	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further inform	ation: Identifies the	possibility of signi	ficant uptake
	through the sk	in, Indicative		
		STEL	100 ppm	2000/39/EC
			442 mg/m3	
		TLV-8hr	47,5 ppm 210 mg/m3	NL WG
	Further inform	ation: Skin notation		
		TLV-15 min	100 ppm 442 mg/m3	NL WG

\*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 equipmen	t
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 (Type A) and particulate filter A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances 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 sufficient to keep the concentrations under the occupational exposure



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limits then respiration protection measures must be used. Ensure adequate ventilation, especially in confined areas.

### Environmental exposure controls

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	:	liquid yellow
Odour	:	slight
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	Upper explosion limit 10,8 %(V)
Lower explosion limit / Lower flammability limit	:	Lower explosion limit 1,0 %(V)

Flash point : ca. 38 °C Method: closed cup

Auto-ignition temperature : 333 °C

Decomposition temperature : No data available

pH : Not applicable substance/mixture is non-soluble (in water) Viscosity

Viscosity, kinematic : > 20,5 mm2/s (40 °C)



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<b>Solubility(ies)</b> Water solubility	: insoluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: ca. 7,9993 hPa (20 °C)	
Density	: ca. 1,07 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	
9.2 Other information		
No data available		
SECTION 10: Stability and r	eactivity	
•	vn 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.
<b>10.4 Conditions to avoid</b> Conditions to avoid	:	Heat, flames and sparks.
10.5 Incompatible materials		

: No data available

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# 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

Materials to avoid



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### **SECTION 11: Toxicological information**

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

Acute toxicity Harmful if inhaled.

### **Components:** Hexamethylene diisocyanate, oligomers: Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg Acute inhalation toxicity LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method 2-methoxy-1-methylethyl acetate: Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg reaction mass of ethylbenzene and xylene: : LD50 Oral (Rat): 3.523 mg/kg Acute oral toxicity Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye irritation Causes serious eye irritation. Respiratory or skin sensitisation Skin sensitisation May cause an allergic skin reaction. **Respiratory sensitisation** Not classified due to lack of data. Germ cell mutagenicity Not classified due to lack of data. Carcinogenicity

Not classified due to lack of data.

### Reproductive toxicity

Not classified due to lack of data.



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### STOT - single exposure

May cause respiratory irritation.

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

### Aspiration toxicity

Not classified due to lack of data.

### 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:**

Hexa	amethylene diisocyanate,	, o	ligomers:
Toxi	city to fish	:	LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h
	city to daphnia and other ttic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
reac	tion mass of ethylbenzen	e	and xylene:
Toxic icity)	city to fish (Chronic tox-	:	NOEC: > 1,3 mg/l Exposure time: 56 d Species: Oncorhynchus mykiss (rainbow trout)
aqua	city to daphnia and other atic invertebrates (Chron- kicity)	:	NOEC: 1,17 mg/l Exposure time: 7 d Species: Daphnia (water flea)
	sistence and degradabilit	y	

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

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### 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**

|--|

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- mation	:	There is no data available for this product.

### **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.

### **SECTION 14: Transport information**

### 14.1 UN number or ID number

ADR	:	UN 1263
IMDG	:	UN 1263

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ΙΑΤΑ		UN 1263		
14.2 UN proper shipping name	•	UN 1203		
		DAINT		
ADR	:	PAINT		
	:	PAINT		
IATA	:	Paint		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	3		
IMDG	:	3		
ΙΑΤΑ	:	3		
14.4 Packing group				
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code		III F1 30 3 (D/E)		
IMDG Packing group Labels EmS Code	: : :	III 3 F-E, <u>S-E</u>		
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ)	:	366 Y344		
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				
<b>ADR</b> Environmentally hazardous	:	no		
IMDG Marine pollutant	:	no		
IATA (Passenger) Environmentally hazardous IATA (Cargo)	:	no		

### IATA (Cargo)





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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/legisla	ation	specific for the substance or mixture
International Chemical Weapons Convention (CWC)	:	Not applicable
Schedules of Toxic Chemicals and Precursors		

REACH Information: All

- 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.

untry NI 10000057551		14 / 1
Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	None of the components are listed (=> 0.1 %).
		Number on list 75:
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3

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Seveso III: Directive 2012/18/EU jor-accident hazards involving dat P5c	of the European Parliament and of the Council on the control of mangerous substances. FLAMMABLE LIQUIDS
Volatile organic compounds :	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 25% w/w
	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 25% w/w

### Other regulations:

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

Contains a substance which is subject to the SZW-list of reproductive toxic substances (Ministry of Social Affairs and Employment).

reaction mass of ethylbenzene and xylene

### 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.		
H317	:	May cause an allergic skin reaction.		
H319	:	Causes serious eye irritation.		
H332	:	Harmful if inhaled.		
H335	:	May cause respiratory irritation.		
H336	:	May cause drowsiness or dizziness.		
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 abbreviations				
Acute Tox.	:	Acute toxicity		
Aquatic Chronic	:	Long-term (chronic) aquatic hazard		
Asp. Tox.	:	Aspiration hazard		
Eye Irrit.	:	Eve irritation		
Flam. Liq.	:	Flammable liquids		
Skin Irrit.	:	Skin irritation		

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Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC		Europe. Commission Directive 2000/39/EC establishing a first
	-	list of indicative occupational exposure limit values
NL WG		Netherlands. Law on Labour conditions - Occupational Expo-
	•	sure Limits
2000/39/EC / TWA		Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
NL WG / TLV-8hr	:	Time Weighted Average
NL WG / TLV-15 min	:	Short Term Exposure Limit
ADR	:	European Agreement concerning the International Carriage of
ADR	•	Dangerous Goods by Road
CAS		Chemical Abstracts Service
DNEL	:	Derived no-effect level
EC50	:	Half maximal effective concentration
GHS	:	Globally Harmonized System
IATA	:	International Air Transport Association
IMDG	:	International Maritime Code for Dangerous Goods
LD50	:	Median lethal dosis (the amount of a material, given all at
EDS0	•	once, which causes the death of 50% (one half) of a group of
		test animals)
LC50		Median lethal concentration (concentrations of the chemical in
2000	•	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		Occupational Exposure Limit
PBT	:	Persistent, bioaccumulative and toxic
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 Reg-
		istration, Evaluation, Authorisation and Restriction of Chemi-
		cals (REACH), establishing a European Chemicals Agency
SVHC	:	Substances of Very High Concern
vPvB		Very persistent and very bioaccumulative
	•	

### **Further information**

Classification of the	ne mixture:	Classification procedure:
Flam. Liq. 3	H226	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

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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 !

NL / EN