

Version 1.1

Print Date 03.09.2024

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

1.1 Product identifier

Trade name

: Sikalastic[®] M 811 Part A

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

Product use

: Polyurethane coating, Sealing system, For professional users only.

1.3 Details of the supplier of the safety data sheet

: Sika Poland Spółka z o.o. Karczunkowska 89
02-871 Warszawa
: +48 22 27 28 700
: +48 22 27 28 800
: EHS@pl.sika.com

1.4 Emergency telephone number

112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)Eye irritation, Category 2H319: Causes serious eye irritation.Specific target organ toxicity - repeated
exposure, Category 2H373: May cause damage to organs through pro-
longed or repeated exposure.Long-term (chronic) aquatic hazard, Cat-
egory 2H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:			
Signal word	:	Warning		
Hazard statements	:	H319	Causes serious eye irritation.	

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		ay cause damage to organs throug repeated exposure.	gh prolonged
	H411 To	oxic to aquatic life with long lasting	effects.
Precautionary statements :	Prevention:		
	P260	Do not breathe mist or vapours.	
	P273	Avoid release to the environment	nt.
	P280	Wear eye protection/ face prote	ection.
	Response:		
	P314	Get medical advice/ attention if well.	you feel un-
	P337 + P313	If eye irritation persists: Get me attention.	dical advice/
	P391	Collect spillage.	

Hazardous components which must be listed on the label:

diethylmethylbenzenediamine

Additional Labelling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006, as amended by Commission Regula-
tion (EU) 2020/878
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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)
diethylmethylbenzenediamine	68479-98-1 270-877-4 01-2119486805-25- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Irrit. 2; H319 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute toxicity esti- mate Acute oral toxicity: 738 mg/kg	>= 20 - < 25
Substances with a workplace expo	sure limit :		
Titanium dioxide (> 10 μm)	13463-67-7 236-675-5		>= 1 - < 2,5
	01-2119489379-17- XXXX		

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.

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		Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsc	ious person.
4.2 Most important symptoms an	nd (effects, both acute and delayed	
Symptoms	:	Excessive lachrymation See Section 11 for more detailed information and symptoms.	on health effects
Risks	:	Causes serious eye irritation. May cause damage to organs through prolor exposure.	nged or repeated
		irritant effects	
4.3 Indication of any immediate r	no	dical attention and special treatment neede	d
Treatment	:	Treat symptomatically.	u
SECTION 5: Firefighting meas 5.1 Extinguishing media Suitable extinguishing media		In case of fire, use water/water spray/water juide/sand/foam/alcohol resistant foam/chemic extinction.	
5.2 Special hazards arising from			
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter courses.	drains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are know	vn
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breat	thing apparatus.
Further information	:	Collect contaminated fire extinguishing water	r separately. This

must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.
		Deny access to unprotected persons.



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6.2 Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system.
		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	:	Soak up with inert absorbent material (e.g. sand, silica gel,
		acid binder, universal binder, sawdust).
		Keep in suitable, closed containers for disposal.

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. Follow standard hygiene measures when handling chemical products
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	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	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance 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.
-	· DI 40000050004		



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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 *
Titanium dioxide (> 10 μm)	13463-67-7	NDS (inhalable fraction)	10 mg/m3	PL OEL

*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	:	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	:	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer 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.



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Environmental exposure controls

General advice

: Do not flush into surface water or sanitary sewer system. 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

information on basic physical	an	
	:	liquid
Appearance	:	viscous
Colour	:	grey
Odour	:	musty
		,
Melting point/ range / Freez-	:	No data available
ing point		
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or o	exp	losive limits
Upper explosion limit / Up-	:	No data available
. ,		
Lower explosion limit /	:	No data available
Lower flammability limit		
-		
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable
		substance/mixture is non-soluble (in water)
Viscosity		
Viscosity, dynamic	:	ca. 1.725 mPa.s (20 °C)
Viscosity, kinematic	:	No data available
	Physical state Appearance Colour Odour Melting point/ range / Freez- ing point Boiling point/boiling range Flammability (solid, gas) Upper/lower flammability or of Upper explosion limit / Up- per flammability limit Lower explosion limit / Lower flammability limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity Viscosity, dynamic	Physical state :: Appearance :: Colour :: Odour :: Melting point/ range / Freez- :: ing point :: Boiling point/boiling range :: Flammability (solid, gas) :: Upper/lower flammability or explosion limit / Up- :: Upper explosion limit / Up- :: Lower explosion limit / Up- :: Flash point :: Auto-ignition temperature :: pH :: viscosity viscosity, dynamic ::



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Solubility(ies)		
Water solubility	: partly soluble	
Partition coefficient: n- octanol/water	: No data available	
Vapour pressure	: 0,01 hPa	
Density	: ca. 1,06 g/cm3 (20 °C)	
Relative vapour density	: No data available	
Particle characteristics	: No data available	
9.2 Other information		
No data available		

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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.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



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SECTION 11: Toxicological information

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

Acute toxicity Not classified due to lack of o	tata	
Components:	autu.	
diethylmethylbenzenediam	ine:	
Acute oral toxicity	:	LD50 Oral (Rat): 738 mg/kg
		Acute toxicity estimate: 738 mg/kg Method: Calculation method
Acute dermal toxicity	:	LD50 Dermal (Rat): 2.500 mg/kg
Skin corrosion/irritation Not classified due to lack of o	data.	
Serious eye damage/eye in Causes serious eye irritation		ion
Respiratory or skin sensiti	satio	on
Skin sensitisation Not classified due to lack of c	data.	
Respiratory sensitisation Not classified due to lack of o	data.	
Germ cell mutagenicity Not classified due to lack of c	data.	
Carcinogenicity Not classified due to lack of o	data.	
Reproductive toxicity Not classified due to lack of c	data.	
STOT - single exposure Not classified due to lack of c	data.	
STOT - repeated exposure May cause damage to organ	s thr	ough prolonged or repeated exposure.
Aspiration toxicity Not classified due to lack of c	data.	
Information on other hazar	ds	
Endocrine disrupting prop	ertie	25

Product:



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Assessment	: The substance/mixture does not contain ered to have endocrine disrupting prope REACH Article 57(f) or Commission De (EU) 2017/2100 or Commission Regula levels of 0.1% or higher.	erties according to legated regulation
SECTION 12: Ecological info	rmation	
12.1 Toxicity No data available		
12.2 Persistence and degradabi No data available	lity	
12.3 Bioaccumulative potential No data available		
12.4 Mobility in soil No data available		
12.5 Results of PBT and vPvB a	ssessment	
Product:		
Assessment	: This substance/mixture contains no con	nponents considered

: 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 consid- ered 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	:	An environmental hazard cannot be excluded in the event of 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
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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 ON number of 1D number				
ADR	:	UN 3082		
IMDG	:	UN 3082		
ΙΑΤΑ	:	UN 3082		
14.2 UN proper shipping name				
ADR	:	ENVIRONMENTALLY N.O.S. (diethylmethylbenzene	Y HAZARDOUS SUBSTANCE, LIQUID, ediamine)	
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (diethylmethylbenzenediamine)		
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (diethylmethylbenzenediamine)		
14.3 Transport hazard class(es)				
		Class	Subsidiary risks	
ADR	:	9		
IMDG	:	9		
ΙΑΤΑ	:	9		
14.4 Packing group				
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code IMDG		III M6 90 9 (-)		

14.1 UN number or ID number

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

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Packing group Labels EmS Code	:	III 9 F-A, S-F	
IATA (Cargo) Packing instruction (cargo aircraft)	:	964	
Packing instruction (LQ) Packing group Labels	:	Y964 III Miscellaneous	
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:	964 Y964 III Miscellaneous	
14.5 Environmental hazards			
ADR Environmentally hazardous	:	yes	
IMDG Marine pollutant	:	yes	
IATA (Passenger) Environmentally hazardous	:	yes	
IATA (Cargo) Environmentally hazardous	:	yes	

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) : Not applicable Schedules of Toxic Chemicals and Precursors

REACH Information:

- 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.



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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
			Number on list 75:
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) on substances th layer	at deplete the ozone	:	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 E2			t and of the Council on the control of ma- RDS
Volatile organic compounds :	Law on the incentive ta (VOCV) no VOC duties	ax fo	or volatile organic compounds

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0,75% w/w

Other regulations:

Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2020, item 2289)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).



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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, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 with later amendments).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (consolidated text, Journal of Laws 2016 no. 0 item 1488)

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste (Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of February 15, 2021 on the entry into force of amendments to Annexes A and B to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws 202 poz.874 as amended)

Act of July 29, 2005 on drug addiction prevention (Journal of Laws of 2005, No. 179, item 1485, with later amendments)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

15.2 Chemical safety assessment

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



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SECTION 16: Other information

H302 :: Harmful if swallowed. H312 :: Harmful in contact with skin. H313 :: Causes serious eye irritation. H373 :: May cause damage to organs through prolonged or repeated exposure. H400 :: Very toxic to aquatic life. H410 :: Very toxic to aquatic life with long lasting effects. Full ext of other abbreviations Acute toxicity Aquatic Acute :: Short-term (acute) aquatic hazard Aquatic Acute :: Short-term (acute) aquatic hazard Aquatic Chronic :: Long-term (chronic) aquatic hazard Aquatic Chronic :: Specific target organ toxicity - repeated exposure PL OEL :: Specific target organ toxicity - repeated exposure PL OEL :: :: Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 pos 1286, with later amendments) PL OEL / NDS :: Maximal Admissible Concentration ADR :: Chemical Abstracts Service DNEL :: Derived no-effect level ECS0 :: Half maximal effective concentration GHS ::	Full text of H-Statements	
H312 : Harmful in contact with skin. H319 : Causes serious eye irritation. H373 : Way cause damage to organs through prolonged or repeated exposure. H400 : Very toxic to aquatic life. H410 : Very toxic to aquatic life with long lasting effects. Full text of other abbreviations : Acute toxicity Aquatic Chronic : Long-term (chronic) aquatic hazard Aquatic Chronic : Long-term (chronic) aquatic hazard Eye Irrit. : Eye irritation STOT RE : Sbort-term (acute) of the anity, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentration and levels of the agents harmful for health in the work-place (Dz.U 2018 pos 1286, with later amendments) PL OEL / NDS : Maximal Admissible Concentration ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road CAS : Chemical Abstracts Service DNEL : Derived no-effect level EC50 : Half maximal effective concentration GGG : International Maritime Code for Dangerous Goods LD50 : Median lethal concentration (concentration goven all at once, which causes the death of 50% (one hall) of a group of test animals) LC50 : Median lethal concentration	H302	· Harmful if swallowed
H319 : Causes serious eye irritation. H373 : May cause damage to organs through prolonged or repeated exposure. H400 : Very toxic to aquatic life. H410 : Very toxic to aquatic life with long lasting effects. Full text of other abbreviations : Acute toxicity Aquatic Acute : Short-term (acute) aquatic hazard Aquatic Chonic : Long-term (chronic) aquatic hazard Eye Irrit. : Eye irritation STOT RE : Specific target organ toxicity - repeated exposure PL OEL : Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the work-place (Dz.U 2018 pos 1266, with later amendments) PL OEL / NDS : Maximal Admissible Concentration ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road CAS : Chemical Abstracts Service DNEL : Derived no-effect level EC50 : Half maximal effective concentration IMDG : International Air Transport Association IMDG : International Convention for the Prevention of Pollution from Erricol Derivol : Median lethal concentration (concentration sof the chemical in air that kills 50% of the test ani		
H373 : May cause damage to organs through prolonged or repeated exposure. H400 :: Very toxic to aquatic life. H410 :: Very toxic to aquatic life with long lasting effects. Full text of other abbreviations Acute toxic : Acute toxicity Aquatic Acute :: Short-term (acute) aquatic hazard Aquatic Chronic :: Long-term (chronic) aquatic hazard Eye Irrit. :: Specific target organ toxicity - repeated exposure PL OEL :: Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concentration ing the highest allowable concentrations and levels of the agents harmful for health in the work-place (Dz.U 2018 pos 1286, with later amendments) PL OEL / NDS :: Maximal Admissible Concentration ADR :: European Agreement concentration ADR :: Globally Harmonized System IATA : International Air Transport Association IMDG :: Median lethal concentration (concentration on centration agree of brise), as modified by the Protocol of 1978 C50 :: Haif maximal effective concentration in air that kills 50% of the test animals during the observation period) MARE :: Globally Harmonized System IATA : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 C50 ::		
H400 E Very toxic to aquatic life. H410 E Very toxic to aquatic life with long lasting effects. Full text of other abbreviations Acute Tox. E Acute toxicity Aquatic Chronic E Long-term (Acute) aquatic hazard Aquatic Chronic E Long-term (Acronic) aquatic hazard Eye Irrit. E Eye irritation STOT RE E Specific target organ toxicity - repeated exposure PL OEL Cordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the work-place (Dz.U 2018 pos 1286, with later amendments) PL OEL / NDS Maximal Admissible Concentration ADR E uropean Agreement concerning the International Carriage of Dangerous Goods by Road CAS C Chemical Abstracts Service DNEL E Obrived no-effect level EC50 E Half maximal effective concentration IMDG International Maritime Code for Dangerous Goods LD50 E 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 E Median lethal concentration (concentration of Pollution from Ships, 1973 as modified by the Protocol of 1978 OEL E Predicted no effect concentratio		
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Revision Date: 03.09.2024 Date of last issue: 26.07.2024		Version 1.1	Print Date 03.09.2024
Eye Irrit. 2	H319	Calculation method	
STOT RE 2	H373	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.

Changes as compared to previous version !

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