

Version	Revision Date:	Print Date	Date of last issue: 29.07.2021
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Trade name	:	DisboXID 972 ESD Comp. B
1.2 Relevant identified uses of th	e s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	epoxide-resin-based coating material, solvent-containing
Recommended restrictions on use	:	within adequate application - none
1.3 Details of the supplier of the saf	fetv	data sheet
Company	-	Disbon GmbH Roßdörfer Straße 50 64372 Ober-Ramstadt
Telephone	:	+496154710
Telefax		+4961547170222
E-mail address Responsi- ble/issuing person	:	msds@dr-rmi.com
1.4 Emergency telephone		
Emergency telephone 1	:	+49613284463 GBK GmbH

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 127 Acute toxicity, Category 4	7 2/2008) H302: Harmful if swallowed.
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)



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Hazar	d pictograms						
Signa	l Word	Danger					
Hazard Statements Precautionary Statements		H317 May cause	swallowed. vere skin burns and eye damage. e an allergic skin reaction. aquatic life with long lasting effects.				
		Prevention:					
		P273 Avoid relea	in eyes, on skin, or on clothing. ase to the environment. ective gloves/ protective clothing/ eye protec- n.				
		doctor if you feel u P303 + P361 + P3 ately all contamina P305 + P351 + P3 with water for seve	 IF ON SKIN (or hair): Take off immediated clothing. Rinse skin with water. + P310 IF IN EYES: Rinse cautiously eral minutes. Remove contact lenses, if pre-o. Continue rinsing. Immediately call a 				

Hazardous ingredients which must be listed on the label:

Polymer based on dipropylenetriamine 3-aminomethyl-3,5,5-trimethylcyclohexylamine 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5 sodium dicyanoamide

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

Chemical nature

: Mixture based on amine compounds

Components

SECTION 4	I: First aid	measures
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4.1 Description of first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Move out of dangerous area. First aider needs to protect himself.	÷
If inhaled	Move to fresh air.	
In case of skin contact	Do NOT use solvents or thinners. In case of contact, immediately flush skin with soap and plen of water. Take off all contaminated clothing immediately.	ty
In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ phy- sician.	
If swallowed	Call a physician. Clean mouth with water and drink afterwards plenty of water. If swallowed, DO NOT induce vomiting.	

4.2 Most important symptoms and effects, both acute and delayed None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Foam Carbon dioxide (CO2)



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Unsuit media	able extinguishing	:	None known.			
5.2 Specia	I hazards arising from	the	e substance or mi	xture		
Specific hazards during fire fighting		:		ainers exposed to fire with water spray. nposition products formed under fire condi-		
5.3 Advice	for firefighters					
	al protective equipment -fighters	:	In the event of fire	e, wear self-contained breathing apparatus.		
Furthe	r information	:	be disposed of in Standard procedu	contaminated fire extinguishing water must accordance with local regulations. are for chemical fires. and/or explosion do not breathe fumes.		

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	 Do not get in eyes, on skin, or on clothing. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure adequate ventilation. Remove all sources of ignition.
6.2 Environmental precautions	

Environmental precautions	:	Prevent further leakage or spillage if safe to do so.
		If the product contaminates rivers and lakes or drains inform
		respective authorities.
		Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Keep in suitable, closed containers for disposal.
		Soak up with inert absorbent material (e.g. sand, silica gel,
		acid binder, universal binder, sawdust).

6.4 Reference to other sections

For further information see Section 7 of the safety data sheet. ,For personal protection see section 8.,For disposal considerations see section 13.



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SECTION 7: Handling and storage

7.1 Preca	7.1 Precautions for safe handling					
Advice on safe handling :		:	For personal protection see section 8. Avoid exceeding the given occupational exposure limits (see section 8). Provide sufficient air exchange and/or exhaust in work rooms.			
			In addition, the current technical information for this product and its application on www.caparol.com must be observed.			
	e on protection against nd explosion	:	The product is flammable but not readily ignited.			
Hygie	ne measures	:	Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product.			
7.2 Condi	tions for safe storage, i	incl	uding any incompatibilities			
•	irements for storage and containers	:	Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.			
•	fic end use(s) fic use(s)	:	This information is not available.			

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

Substance name	End Use	Routes of expo- sure	Potential health ef- fects	Value
benzyl alcohol	Consumers	Skin contact	Acute systemic ef- fects	20,00 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	4,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	5,40 mg/m3
	Consumers	Skin contact	Long-term systemic effects	4,00 mg/kg bw/day
	Consumers	Ingestion	Acute systemic ef- fects	20,00 mg/kg bw/day
	Consumers	Inhalation	Acute systemic ef-	27,00 mg/m3



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1			1	fects	
		Workers	Inhalation	Acute systemic ef- fects	110,00 mg/m3
		Workers	Inhalation	Long-term systemic effects	22,00 mg/m3
		Workers	Skin contact	Acute systemic ef- fects	40,00 mg/kg bw/day
		Workers	Skin contact	Long-term systemic effects	8,00 mg/kg bw/day
	inomethyl-3,5,5- thylcyclohexyla-	Consumers	Ingestion	Long-term systemic effects	0,53 mg/kg bw/day
		Workers	Inhalation	Acute local effects	0,07 mg/m3
		Workers	Inhalation	Long-term local ef- fects	0,07 mg/m3
nol, o tion p chloro epoxy tion p	opylidenediphe- ligomeric reac- oroducts with 1- o-2,3- ypropane, reac- roducts with 3- omethyl-3,5,5	Consumers	Ingestion	Long-term systemic effects	0,05 mg/kg bw/day
		Consumers	Skin contact	Long-term systemic effects	0,05 mg/kg bw/day
		Consumers	Inhalation	Long-term systemic effects	0,18 mg/m3
		Workers	Skin contact	Long-term systemic effects	0,14 mg/kg bw/day
		Workers	Inhalation	Long-term systemic effects	0,98 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
benzyl alcohol	Sewage treatment plant	39 mg/l
	Fresh water	1 mg/l
	Sea sediment	0,527 mg/kg dry weight (d.w.)
	Sea water	0,1 mg/l
	Fresh water sediment	5,27 mg/kg dry weight (d.w.)
	Soil	0,456 mg/kg dry weight (d.w.)
	Intermittent use/release	2,3 mg/l
3-aminomethyl-3,5,5- trimethylcyclohexylamine	Sea sediment	0,578 mg/kg dry weight (d.w.)
	Fresh water sediment	5,784 mg/kg dry weight (d.w.)
	Fresh water	0,06 mg/l



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		Sewage tre	atment plant	3,18 mg/l	
		Sea water		0,006 mg/l	
		Soil		1,121 mg/kg dry weight (d.w.)	
		Intermittent	use/release	0,23 mg/l	
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reac- tion products with 3- aminomethyl-3,5,5		ts with	ent	0,00456 mg/kg dry weight (d.w.)	
		Sea water		0,00111 mg/l	
		Secondary	Poisoning	1 mg/kg food	
			r sediment	0,0456 mg/kg dr weight (d.w.)	
				0,00279 mg/kg dry weight (d.w.)	
		Sewage tre	atment plant	10 mg/l	
		Intermittent	use/release	0,111 mg/l	
		Fresh wate	r	0,0111 mg/l	

8.2 Exposure controls

Personal protective equipm	nent	Tightly fitting safety goggles
Hand protection Material Glove thickness Protective index Wearing time	:	butyl-rubber 0,2 mm Class 3 30 min
Remarks	:	Gloves should be discarded and replaced if there is any indi- cation of degradation or chemical breakthrough. Before re- moving gloves clean them with soap and water. Wear suita- ble gloves tested to EN374.
Skin and body protection	:	Safety shoes Use appropriate degowning techniques to remove potentially contaminated clothing. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Long sleeved clothing
		Choose body protection according to the amount and con- centration of the dangerous substance at the work place.
		Skin should be washed after contact.
Respiratory protection	:	During spray application: Do not breathe spray dust. Use



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A2/P2 combination filter for paint spraying.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	Not relevant
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	100 °C
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
рН	:	11 Concentration: 10 %
Viscosity Viscosity, dynamic	:	No data available
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	not determined
Vapor pressure	:	not determined
Relative density	:	not determined
Density	:	1,0700 g/cm3



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: not determined	
: Not applicable	
: Not applicable	
: Sustains combus	stion
: Not applicable	
	23.09.2021 : not determined : Not applicable : Not applicable : Sustains combus

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	 Vapors may form explosive mixture with air. Hazardous decomposition products formed under fire condi- tions.
10.4 Conditions to avoid Conditions to avoid	: Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid	:	Incompatible with acids.
		Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate: 1.023 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h



Version Revision Date: Print Date Date of last issue: 29.07.2021 2.1 14.09.2021 23.09.2021 Date of first issue: 14.11.2019 Xersion Test atmosphere: vapor Method: Calculation method Remarks: Based on available data, the classification criteria are not met. Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met. Acute dermal toxicity : Remarks: Dased on available data, the classification criteria are not met. Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Skin corrosion/irritation Product: Remarks : Remarks : Serious eye damage/eye irritation Product: : Remarks : Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Causes sensitization. 11.2 Information on other hazards Endocrine disrupting properties Product: Assessment : The substance/mixture does not contain components conside ered to have e	Disbo)	DisboXID 972 ESD Comp. B				
Method: Calculation method Remarks: Based on available data, the classification criteria are not met. Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met. Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Skin corrosion/irritation Product: Remarks : Erious eye damage/eye irritation Product: Remarks : Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Remarks : Ital Information on other hazards Endocrine disrupting properties Product: Assessment : The substance/mixture does not contain components conside ered to have endocrine disrupting properties according to						
are not met. Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met. Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Skin corrosion/irritation Froduct: Remarks : Remarks : Extremely corrosive and destructive to tissue. Serious eye damage/eye irritation Froduct: : Product: : May cause irreversible eye damage. Respiratory or skin sensitization : Causes sensitization. 11.2 Information on other hazards : Causes sensitization. Product: : : The substance/mixture does not contain components considered to have endocrine disrupting properties according to						
are not met. Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Skin corrosion/irritation Product: Remarks : Extremely corrosive and destructive to tissue. Serious eye damage/eye irritation Product: Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Causes sensitization. 11.2 Information on other hazards Endocrine disrupting properties Product: Assessment : The substance/mixture does not contain components conside ered to have endocrine disrupting properties according to					ed on available data, the classification criteria	
Method: Calculation method Skin corrosion/irritation Product: Remarks : Extremely corrosive and destructive to tissue. Serious eye damage/eye irritation Product: Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Causes sensitization. 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	Acute	e dermal toxicity	:		ed on available data, the classification criteria	
Product: Remarks : Extremely corrosive and destructive to tissue. Serious eye damage/eye irritation						
Remarks : Extremely corrosive and destructive to tissue. Serious eye damage/eye irritation Product: Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Causes sensitization. 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 the sensition of the substance/mixture does not contain components considered to have endocrine disrupting properties according to the sensition of the substance/mixture does not contain components considered to have endocrine disrupting properties according to the sensition of the substance/mixture does not contain components considered to have endocrine disrupting properties according to the sensition of the sensition of the sensitication of the sensitication of the sensitication of the sensitication.	Skin	corrosion/irritation				
Product: Remarks : May cause irreversible eye damage. Respiratory or skin sensitization						
Remarks : May cause irreversible eye damage. Respiratory or skin sensitization Product: Remarks : Causes sensitization. 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	Serio	ous eye damage/eye i	rritatio	on		
Product: Remarks : Causes sensitization. 11.2 Information on other hazards Endocrine disrupting properties Product:			:	: May cause irreversible eye damage.		
Remarks : Causes sensitization. 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	Resp	iratory or skin sensit	tizatio	n		
Endocrine disrupting properties Product: Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to			:	: Causes sensitization.		
Product: Assessment The substance/mixture does not contain components considered to have endocrine disrupting properties according to	11.2 Infor	mation on other haza	ards			
Assessment : The substance/mixture does not contain components consid ered to have endocrine disrupting properties according to	Endo	ocrine disrupting pro	perties	6		
REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 a levels of 0.1% or higher.			:	ered to have en REACH Article (EU) 2017/210	ndocrine disrupting properties according to 57(f) or Commission Delegated regulation 0 or Commission Regulation (EU) 2018/605 at	

SECTION 12: Ecological information

12.1 Toxicity

Product:	
Toxicity to fish	

: Remarks: No data available

Toxicity to daphnia and other : Remarks: No data available



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aquatic invertebrates

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-	:	Harmful to aquatic organisms, may cause long-term adverse
mation		effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

: Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local, regional, national and international authorities.

Uncured product residues and unpurified packaging should be disposed of as hazardous waste. Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste. Waste should not be disposed of via wastewater.



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Conta	minated packaging	: Only completely cling.	emptied containers should be given for recy-
Waste Code		: used product 080111*, waste or other dangero	paint and varnish containing organic solvents ous substances

SECTION 14: Transport information

14.1 UN number or ID number		
ADR	:	UN 2735
RID	:	UN 2735
IMDG	:	UN 2735
ΙΑΤΑ	:	UN 2735
14.2 UN proper shipping name		
ADR	:	AMINES, LIQUID, CORROSIVE, N.O.S. (Polymer based on dipropylenetriamine, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
RID	:	AMINES, LIQUID, CORROSIVE, N.O.S. (Polymer based on dipropylenetriamine, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
IMDG	:	AMINES, LIQUID, CORROSIVE, N.O.S. (Polymer based on dipropylenetriamine, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
ΙΑΤΑ	:	Amines, liquid, corrosive, n.o.s. (Polymer based on dipropylenetriamine, 3-aminomethyl-3,5,5- trimethylcyclohexylamine)
14.3 Transport hazard class(es)		
ADR	:	8
RID	:	8
IMDG	:	8
ΙΑΤΑ	:	8
14.4 Packing group		
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	:	II C7 80 8 (E)



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Cla	cking group ssification Code zard Identification Number	: II : C7 : 80 : 8		
IME	DG			

: 11

F-A, S-B

: 8

:

Packing instruction (LQ) : Y840 Packing group : II	Packing in aircraft)	struction (cargo) :	855
	Packing in		:	
IATA (Passenger) Packing instruction (passen- : 851 ger aircraft)	Packing in	nstruction (pass	en- :	851
Packing instruction (LQ) : Y840 Packing group : II	Packing in Packing gr	struction (LQ)	:	

14.5 Environmental hazards

Packing group

IATA (Cargo)

EmS Code

Labels

ADR Environmentally hazardous	:	no
RID Environmentally hazardous	:	no
IMDG Marine pollutant	:	no

14.6 Special precautions for user

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

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on : Conditions of restriction for the fol-



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	arket and use of certa rations and articles (A	in dangerous substand nnex XVII)	ces,	lowing entries should be considered Number on list 3
the m		e manufacture, placing in dangerous substand nnex XVII)		Conditions of restriction for the fol- lowing entries should be considered Number on list 3
	CH - Candidate List of ern for Authorization (/	Substances of Very Hi Article 59).	igh :	This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be gener- ated.
	lation (EC) No 1005/20 the ozone layer	009 on substances tha	at de- :	Not applicable
	lation (EU) 2019/1021 (recast)	on persistent organic	pollu- :	Not applicable
	EACH List of substand ex XIV)	ces subject to authoris	ation :	Not applicable
pean contro	so III: Directive 2012/1 Parliament and of the of major-accident ha erous substances.	Council on the	N	ot applicable
		8/EU of the European olving dangerous subs Not applicable		nt and of the Council on the control of
Volati	le organic compounds	 Directive 2004/ 25 % 270 g/l 	42/EC	

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Stand-



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ard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Coil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; IECSC - Inventory of Existing Chemicals Inventory; IL50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by R

Further information

Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Material Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

Classification of th	e mixture:	Classification procedure:
Acute Tox. 4	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific



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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments. Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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