

According to Annex II to REACH - Regulation 2015/830

Productname: HOBBY Fix Underwater Adhesive black 80 ml / 200 ml

Item No.: 11967 / 11965

Manufacturer: Dohse Aquaristik GmbH & Co. KG, Otto Hahn Str. 9, D-53501 Grafenschaft Gelsdorf, Phone: +49(0)2225-94150

Revision no.:7 - Date of issue: 04.10.18 - Print Date: 2019-05-13 - Replaced revision: 6 (Dated 15/09/2017)

*** Changes from predecessors, n.a. = not applicable, n.av. = available

1		Identification of the substance/mixture and of the company/undertaking			
1.1		Product identifier			
		Trade name:	HOBBY Fix Underwater Adhesive black 80 ml / 200 ml		
		Item No.:	11965, 11967		
1.2.		Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses			
		Intended Uses:	One component, methoxy silane-based, adhesive for generic industrial applications.		
		Identified Uses:	Industrial:	Professional:	Consumer:
		SEALANTS AND ADHESIVE FORMULATIONS IN INDUSTRY	SU: 10. ERC: 2. PROC: 3, 4, 5, 8a, 8b, 9.	-	-
		INDUSTRIAL APPLICATIONS OF SEALANTS AND ADHESIVES	SU: 17, 19. ERC: 5, 8b. PROC: 10, 8a, 8b. PC: 1.	SU: 17, 19. ERC: 5, 8b. PROC: 10, 8a, 8b. PC: 1.	-
		CHEMICAL SUBSTANCE USE IN LABAROTORY, INDUSTRIAL	PROC: 15. PC: 1, 21.	-	-
1.3		Details of the supplier of the safety data sheet			
		Manufacturer/Supplier:	Dohse Aquaristik GmbH & Co. KG Otto Hahn Str. 9 D-53501 Grafenschaft Gelsdorf		
		Phone:	+49(0)2225-94150		
		Fax:	+49(0)2225-946494		
		eMail:	info@dohse-aquaristik.de		
		Availability:	Mo.-Th. 7.30-16.30 Fr. 7.30-13.00		
1.4		Emergency Telephone Number			
		For urgent inquiries refer to:	Poison control center / Charité Berlin: +49(0)30 - 19240		
2		Hazards identification			
2.1		Classification of the substance or mixture			
		Aerosol 3 H229:	Pressurised container: May burst if heated		
2.2.		Label elements			
		Labelling according to Regulation (EC) No. 1272/2008 [CLP] and subsequent amendments and supplements:	The product is classified and labelled according tot he CLP regulation.		
		Hazard pictogram(s):	--		
		Signal words:	ATTENTION		
		Hazard statements			
		H Phrases:			
		H 229:	Pressurised container: May burst if heated		
		POhrases:			
		P102:	Keep out of reach of children.		
		P210:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
		P251:	Do not pierce or burn, even after use.		
		P410+P412:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.		
		P501:	Dispose of contents/container to ...		
		EUH210:	Safety data sheet available on request.		

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	EUH208:	Contains: N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE. May produce an allergic reaction.	
2.3	Other hazards		
	On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.		
3	Composition/information on ingredients		
3.2	Mixtures		
	Contains:		
	Identification:	x = Conc. %	Classification 1272/2008 (CLP):
	TRIETHYLPHOSPHAT CAS-No: 78-40-0 EC: 221-114-5 INDEX: 015-013-00-7 Reg.No.: 01-2119492852-28-0000	4,5 ≤ x < 5	Acute Tox. 4 H302, Eye Irrit. 2 H319
	N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE. CAS-No: 1760-24-3 EC: 217-164-6 INDEX: - Reg.No.: 01-2119970215-39-XXXX	0,8 ≤ x < 0,9	Acute Tox. 4 H332, STOT RE 2 H373, Eye Dam. 1 H318, Skin Sens. 1 H317
	The full wording of hazard (H) phrases is given in section 16 of the sheet.		
4	First aid measures		
4.1	Description of first aid measures		
	EYES:	remove immediately with a clean cloth or paper and wash affected area with soap and water.	
	SKIN:	take off contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a doctor. Wash contaminated clothing before reuse.	
	INHALATION:	In case of feeling unwell remove patient to fresh air and seek medical attention if breathing difficulty succeeding.	
	INGESTION:	eject the product and rinse mouth with water	
4.2	Most important symptoms and effects, both acute and delayed		
	Information not available		
4.3	Indication of any immediate medical attention and special treatment needed		
	Consult a doctor if symptoms are severe or in the case of persistent irritation of the skin.		
5	Firefighting measures		
5.1	Extinguishing media		
	SUITABLE EXTINGUISHING EQUIPMENT		
	The extinguishing equipment should be of the conventional kind:	carbon dioxide, foam, powder and water spray.	
	UNSUITABLE EXTINGUISHING EQUIPMENT		
	None in particular.		
5.2	Special hazards arising from the substance or mixture		
	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE		
	Do not breathe combustion products.		

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5.3	Advice for firefighters
	GENERAL INFORMATION
	Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
	Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).
6	Accidental release measures
6.1	Personal precautions, protective equipment and emergency procedures
	Block the leakage if there is no hazard.
	Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.
6.2	Environmental precautions
	The product must not penetrate into the sewer system or come into contact with surface water or ground water.
6.3	Methods and material for containment and cleaning up
	Collect the leaked product into a suitable container.
	Evaluate the compatibility of the container to be used, by checking section 10.
	Absorb the remainder with inert absorbent material.
	Make sure the leakage site is well aired.
	Contaminated material should be disposed of in compliance with the provisions set forth in point 13.
6.4	Reference to other sections
	Any information on personal protection and disposal is given in sections 8 and 13.
7	Handling and storage
7.1	Precautions for safe handling
	Before handling the product, consult all the other sections of this material safety data sheet.
	Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.
	Remove any contaminated clothes and personal protective equipment before entering places in which people eat.
7.2	Conditions for safe storage, including any incompatibilities
	Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight.
	Keep containers away from any incompatible materials, see section 10 for details.
	Storage class TRGS 510 (Germany): 10
7.3	Specific end use(s)
	Information not available

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8 Exposure controls/personal protection									
8.1 Control parameters									
Regulatory References:									
	DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte						
	ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017						
	FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102						
	GBR	United Kingdom	EH40/2005 Workplace exposure limits						
	GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012						
	HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva						
	ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81						
	NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18						
	POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r						
	PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06						
	SWE	Sverige	Occupational Exposure Limit Values, AF 2011:18						
	EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.						
		TLV-ACGIH	ACGIH 2018						
DIISONONYL PHTHALATE									
Threshold Limit Value									
	Type	Country	TWA/8h		STEL/15min				
			mg/m3	ppm	mg/m3	ppm			
	WEL	GBR	5						
TRIETHYLPHOSPHATE									
Predicted no-effect concentration - PNEC									
	Normal value in fresh water			0,632	mg/l				
	Normal value in marine water			0,0632	mg/l				
	Normal value for fresh water sediment			4,83	mg/kg/d				
	Normal value of STP microorganisms			298,5	mg/l				
	Normal value for the terrestrial compartment			0,596	mg/kg/d				
Health - Derived no-effect level - DNEL / DMEL									
		Effects on consumers				Effects on workers			
	Effects on workers	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute Systemic	Chronic local	Chronic Systemic
	Oral	VND	13,3 mg/kg/d	VND	1,66	mg/kg/d			
	Inhalation	VND	23,12 mg/m3	VND	2,89 mg/m3	VND	93,6 mg/m3	VND	11,7 mg/m3
	Skin	VND	13,3 mg/m3	VND	1,66 mg/m3	VND	26,6 mg/kg/d	VND	3,33 mg/kg/d

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N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.									
Predicted no-effect concentration - PNEC									
Normal value in fresh water					0,062		mg/l		
Normal value in marine water					0,0062		mg/l		
Normal value for fresh water sediment					0,22		mg/kg		
Normal value for marine water sediment					0,022		mg/kg		
Normal value for water, intermittent release					0,62		mg/l		
Normal value of STP microorganisms					25		mg/l		
Normal value for the terrestrial compartment					0,0085		mg/kg		
Health - Derived no-effect level - DNEL / DMEL									
Effects on consumers					Effects on workers				
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic	
	local	systemic	local	systemic	local	Systemic	local	Systemic	
Inhalation	NPI		NPI	8,7 mg/m3	NPI		NPI	35,3 mg/m3	
Skin		17 mg/kg bw/d		2,5 mg/kg bw/d		5 mg/kg bw/d		5 mg/kg bw/d	
VINYLTRIMETHOXYSILANE.									
Predicted no-effect concentration - PNEC									
Normal value in fresh water					0,34		mg/l		
Normal value in marine water					0,034		mg/l		
Normal value for fresh water sediment					0,27		mg/kg		
Normal value for water, intermittent release					3,4		mg/l		
Normal value of STP microorganisms					110		mg/l		
Normal value for the terrestrial compartment					0,046		mg/kg		
Health - Derived no-effect level - DNEL / DMEL									
Effects on consumers					Effects on workers				
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic	
	local	systemic	local	systemic	local	Systemic	local	Systemic	
Oral			VND	0,3 mg/kg/d					
Inhalation	VND	93,4 mg/m3	VND	1,04 mg/m3			VND	4,9 mg/m3	
Skin	VND	26,9 mg/kg/d	VND	0,3 mg/kg/d			VND	0,69 mg/kg/d	
BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)SEBACATE									
Predicted no-effect concentration - PNEC									
Normal value in fresh water					0,005		mg/l		
Normal value in marine water					0,0005		mg/l		
Normal value for fresh water sediment					8,02		mg/kg		
Normal value for water, intermittent release					0,802		mg/kg		
Normal value of STP microorganisms					1		mg/l		
Normal value for the terrestrial compartment					1,6		mg/kg		
Health - Derived no-effect level - DNEL / DMEL									
Effects on consumers					Effects on workers				
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic	
	local	systemic	local	systemic	local	Systemic	local	Systemic	
Oral	VND	1 mg/kg	VND	1 mg/kg					
Inhalation	VND	1,4 mg/m3	VND	1,4 mg/m3	VND	5,6 mg/m3	VND	5,6 mg/m3	

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	Skin	VND	1 mg/kg	VND	1 mg/kg	VND	2 mg/kg	VND	2 mg/kg
BUMETRIZOLE									
Threshold Limit Value									
	Type	Country	TWA/8h		STEL/15min				
			mg/m3	ppm	mg/m3	ppm			
	TLV-ACGIH		10						
METHANOL									
Threshold Limit Value									
	Type	Country	TWA/8h		STEL/15min				
			mg/m3	ppm	mg/m3	ppm			
	AGW	DEU	270	200	1080	800			SKIN
	MAK	DEU	270	200	1080	800			SKIN
	VLA	ESP	266	200					SKIN
	VLEP	FRA	260	200	1300	1000			SKIN
	WEL	GBR	266	200	333	250			SKIN
	TLV	GRC	260	200	325	250			
	GVI	HRV	260	200					SKIN
	VLEP	ITA	260	200					SKIN
	OEL	NLD	133	100					SKIN
	NDS	POL	100		300				
	VLE	PRT	260	200					SKIN
	MAK	SWE	250	200	350	250			SKIN
	OEL	EU	260	200					SKIN
	TLV-ACGIH		262	200	328	250			
Legend: (C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.									
8.2	Exposure controls								
	As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.								
	When choosing personal protective equipment, ask your chemical substance supplier for advice.								
	Personal protective equipment must be CE marked, showing that it complies with applicable standards.								
HAND PROTECTION									
	Protect your hands with work gloves, category III (ref. standard EN 374). For the final choice of material you need to assess the type of use. In case of contact for the short term or as protection against splashes, use gloves made of nitrile (0.3mm thickness, permeation time >480 min.). In the event of continued exposure use butyl rubber gloves (0.4mm thickness, permeation time > 480 min.). Contaminated gloves should be removed.								
SKIN PROTECTION									
	Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.								
EYE PROTECTION									
	Wear airtight protective goggles (see standard EN 166).								
RESPIRATORY PROTECTION									
	In case of exceeding the threshold value (eg, TLV-TWA) of the substance or one or more of the substances present in the product, it is advisable to wear a mask with filter type A for organic								

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	vapors, the class (1, 2 or 3) must be chosen according to the limit concentration of use (1000, 5000 or 10000 ppm) (ref. standard EN 14387).	
	ENVIRONMENTAL EXPOSURE CONTROLS	
	The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.	
9	Physical and chemical properties	
9.1	Information on basic physical and chemical properties	
	Appearance	paste
	Colour	various
	Odour	characteristic
	Odour threshold	Not available
	pH	Not available
	Melting point / freezing point	Not available
	Initial boiling point	Not available
	Boiling range	Not available
	Flash point	Not applicable
	Evaporation rate	Not available
	Flammability (solid, gas)	not flammable
	Lower inflammability limit	Not available
	Upper inflammability limit	Not available
	Lower explosive limit	Not available
	Upper explosive limit	Not available
	Vapour pressure	Not available
	Vapour density	Not available
	Relative density	1,64
	Solubility	insoluble in water
	Partition coefficient: n-octanol/water	Not available
	Auto-ignition temperature	Not available
	Decomposition temperature	Not available
	Viscosity	90000 - 145000 cps
	Explosive properties	Not available
	Oxidising properties	Not available
9.2	Other information	
	VOC (Directive 2010/75/EC):	4,50 % - 73,35 g/litre
10	Stability and reactivity	
10.1	Reactivity	
	Product reacts slowly with water (humidity) turning into a rubbery solid and producing METHANOL.	
10.2	Chemical stability	
	Product stable under normal conditions of use and storage.	
10.3	Possibility of hazardous reactions	
	Under conditions of normal use and storage not hazardous reactions are foreseeable.	
10.4	Conditions to avoid	
	Humidity.	
10.5	Incompatible materials	
	Water.	
10.6	Hazardous decomposition products	
	Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen	

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11	Toxicological information	
	In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.	
11.1	Information on toxicological effects	
	Metabolism, toxicokinetics, mechanism of action and other information	
	Information not available	
	Information on likely routes of exposure	
	Information not available	
	Delayed and immediate effects as well as chronic effects from short and long-term exposure	
	Information not available	
	Interactive effects	
	Information not available	
	ACUTE TOXICITY	
	LC50 (Inhalation) of the mixture:	Not classified (no significant component)
	LD50 (Oral) of the mixture:	>2000 mg/kg
	LD50 (Dermal) of the mixture:	Not classified (no significant component)
	N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.	
	LD50 (Oral):	2295 mg/kg Rattus sp.
	LD50 (Dermal):	> 2000 mg/kg Oryctolagus sp.
	LC50 (Inhalation):	1,49 mg/l/4h Rattus sp.
	TRIETHYLPHOSPHATE	
	LD50 (Oral):	1600 mg/kg Rattus sp.
	LD50 (Dermal):	> 20000 mg/kg Oryctolagus sp.
	LC50 (Inhalation):	> 8817 mg/m3 Rattus sp.
	SKIN CORROSION / IRRITATION	
	Does not meet the classification criteria for this hazard class	
	SERIOUS EYE DAMAGE / IRRITATION	
	Does not meet the classification criteria for this hazard class	
	RESPIRATORY OR SKIN SENSITISATION	
	May produce an allergic reaction.	
	Contains:	N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.
	GERM CELL MUTAGENICITY	
	Does not meet the classification criteria for this hazard class	
	CARCINOGENICITY	
	Does not meet the classification criteria for this hazard class	
	REPRODUCTIVE TOXICITY	
	Does not meet the classification criteria for this hazard class	
	STOT - SINGLE EXPOSURE	
	Does not meet the classification criteria for this hazard class	
	STOT - REPEATED EXPOSURE	
	Does not meet the classification criteria for this hazard class	
	ASPIRATION HAZARD	
	Does not meet the classification criteria for this hazard class	

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12	Umweltbezogene Angaben	
	Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.	
12.1	Toxicity	
	N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.	
	LC50 - for Fish:	344 mg/l/96h Brachydanio rerio
	EC50 - for Crustacea:	81 mg/l/48h Daphnia magna
	EC50 - for Algae / Aquatic Plants:	126 mg/l/72h Scenedesmus subspicatus
	TRIETHYLPHOSPHATE	
	LC50 - for Fish:	> 100 mg/l/96h Danio rerio
	EC50 - for Algae / Aquatic Plants:	900 mg/l/72h Desmodesmus subspicatus
	Chronic NOEC for Crustacea:	31,6 mg/l Daphnia magna
12.2	Persistence and degradability	
	N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.	
	NOT rapidly degradable	
12.3	Bioakkumulationspotenzial	
	Information not available	
12.4	Mobility in soil	
	Information not available	
12.5	Results of PBT and vPvB assessment	
	On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.	
12.6	Other adverse effects	
	Information not available	
13	Hinweise zur Entsorgung	
13.1	Waste treatment methods	
	Reuse, when possible. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.	
	Neat product residues should be considered special non-hazardous waste.	
	CONTAMINATED PACKAGING	
	Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.	

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14		Transport information
General statements		
14.1	UN-number:	
	1950	
Transport by road / by rail (ARD/RID)		
14.2	UN proper shipping name	
	UN 1950 AEROSOLS	
14.3	Transport hazard class(es)	
	2.2	
14.4	Packaging group	
	Classification code:	5A
	Label:	
	LQ:	1 L
14.5	Environmental hazards	
	Tunnel restriction code:	E
Transport by sea (IMDG-code)		
14.2	UN proper shipping name	
	AEROSOLS	
14.3	Transport hazard class(es)	
	2.2	
14.4	Packaging group	
	Ems:	F-D, S-U
	Marine Pollutant:	n.a.
	Label:	
14.5	Environmental hazards	
	Not applicable	
Transport by air (IATA)		
14.2	UN proper shipping name	
	Aerosols, non-flammable	
14.3	Transport hazard class(es)	
	2.2	
14.4	Packaging group	
	Label:	
14.5	Environmental hazards	
14.6	Special precautions for user	
	Persons employed in transporting dangerous goods must be trained.	
	All persons involved in transporting must observe safety regulations.	
	Precautions must be taken to prevent damage.	
14.7	Transport bulk according to Annex II of MARPOL and the IBC Code	
	Freighted as packaged goods rather than in bulk, therefor not applicable.	
	Minimum amount regulations have not been taken into account.	
	Danger code and packing code on request.	
	Comply with special provisions.	

According to Annex II to REACH - Regulation 2015/830

Productname: HOBBY Fix Underwater Adhesive black 80 ml / 200 ml

Item No.: 11967 / 11965

Manufacturer: Dohse Aquaristik GmbH & Co. KG, Otto Hahn Str. 9, D-53501 Grafschaft Gelsdorf, Phone: +49(0)2225-94150

Revision no.:7 - Date of issue: 04.10.18 - Print Date: 2019-05-13 - Replaced revision: 6 (Dated 15/09/2017)

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15		Regulatory information	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		
	Seveso Category - Directive 2012/18/EC:	None	
	Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006		
	Contained substance		
	Point	52	DIISONONYL PHTHALATE
	Substances in Candidate List (Art. 59 REACH)		
	On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.		
	Substances subject to authorisation (Annex XIV REACH)		
	None		
	Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:		
	None		
	Substances subject to the Rotterdam Convention:		
	None		
	Substances subject to the Stockholm Convention:		
	None		
	Healthcare controls		
	Information not available		
	German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)		
	WGK 1:	Low hazard to waters	
15.2	Chemical safety assessment		
	No chemical safety assessment has been processed for the mixture and the substances it contains.		
16		Other information	
	Text of hazard (H) indications mentioned in section 2-3 of the sheet:		
	Acute Tox. 4:	Acute toxicity, category 4	
	STOT RE 2:	Specific target organ toxicity - repeated exposure, category 2	
	Eye Dam. 1:	Serious eye damage, category 1	
	Eye Irrit. 2:	Eye irritation, category 2	
	Skin Sens. 1:	Skin sensitization, category 1	
	H302:	Harmful if swallowed.	
	H332:	Harmful if inhaled.	
	H373:	May cause damage to organs through prolonged or repeated exposure.	
	H318:	Causes serious eye damage.	
	H319:	Causes serious eye irritation.	
	H317:	May cause an allergic skin reaction.	
	EUH210:	Safety data sheet available on request.	
	Use descriptor system:		
	ERC 2:	Formulation of preparations	
	ERC 5:	Industrial use resulting in inclusion into or onto a matrix	
	ERC 8b:	Wide dispersive indoor use of reactive substances in open systems	
	PC 1:	Adhesives, sealants	
	PC 21:	Laboratory chemicals	
	PROC 10:	Roller application or brushing	
	PROC 15:	Use as laboratory reagent	

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	PROC 3:	Use in closed batch process (synthesis or formulation)
	PROC 4:	Use in batch and other process (synthesis) where opportunity for exposure arises.
	PROC 5:	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
	PROC 8a:	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
	PROC 8b:	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
	PROC 9:	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
	SU 10:	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
	SU 17:	General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
	SU 19:	Building and construction work
	LEGEND:	
	ADR:	European Agreement concerning the carriage of Dangerous goods by Road
	CAS NUMBER:	Chemical Abstract Service Number
	CE50:	Effective concentration (required to induce a 50% effect)
	CE NUMBER:	Identifier in ESIS (European archive of existing substances)
	CLP:	EC Regulation 1272/2008
	DNEL:	Derived No Effect Level
	EmS:	Emergency Schedule
	GHS:	Globally Harmonized System of classification and labeling of chemicals
	IATA DGR:	International Air Transport Association Dangerous Goods Regulation
	IC50:	Immobilization Concentration 50%
	IMDG:	International Maritime Code for dangerous goods
	IMO:	International Maritime Organization
	INDEX NUMBER:	Identifier in Annex VI of CLP
	LC50:	Lethal Concentration 50%
	LD50:	Lethal dose 50%
	OEL:	Occupational Exposure Level
	PBT:	Persistent bioaccumulative and toxic as REACH Regulation
	PEC:	Predicted environmental Concentration
	PEL:	Predicted exposure level
	PNEC:	Predicted no effect concentration
	REACH:	EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train
	TLV:	Threshold Limit Value
	TLV CEILING:	Concentration that should not be exceeded during any time of occupational exposure.
	TWA STEL:	Short-term exposure limit
	TWA:	Time-weighted average exposure limit
	VOC:	Volatile organic Compounds
	vPvB:	Very Persistent and very Bioaccumulative as for REACH Regulation
	WGK:	Water hazard classes (German).

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	Note for users:	
	<p>The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.</p> <p>This document must not be regarded as a guarantee on any specific product property.</p> <p>The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.</p> <p>Provide appointed staff with adequate training on how to use chemical products.</p>	
	Changes to previous review:	
	The following sections were modified	03 / 04 / 09.

End of document