SAFETY DATA SHEET according to regulation of Europian parliament and Council (ES) number 1907/2006 according Committee regulation (EU) number 878/2020 Date of Issue: 03. 02. 2022 Version number: 1 No. of pages: Revision date: Replaces version: FORTE OPRAVNY BETON Product name: 1. Section 1: Identification of substance/mixture and of the company/undertaking 1.1 FORTE OPRAVNÝ BETON Product identifier: The product is not a nanoform, nor does it contain any nanoforms. UFI code: N814-4GNQ-AD1H-JGS9 1.2 Relevant identified uses of the substance or mixture and uses advised against: 1.2.1 Relevant identified use: Lifecycle phases: PW (wide range of use by professionals - basic) C (consumer use) Usage Name: SU0 Other usage description: Quick-hardening material for work with concrete and concrete repairs. Concrete coating and filling mixture. PC1; PC9a; PC15 Market description: Contributing Activity Name: Manual activities involving hand contact Contributing activities descriptor: PROC19 technical function of the product in Quick-hardening material for work More information: with concrete and concrete this use: repairs. Concrete coating and filling mixture. quantity to be used: 0 - 10 t / yr No Regulatory status by specific use: limited number of devices for this No use: the subsequent period of use 24 months relevant to this use: ERC2; ERC8c; ERC8f; ERC10a; an overview of environmental release categories for each life ERC11a cycle stage: supplied as a mixture 1.2.2 Uses advised against: all other uses 1.3 Details about the supplier of the safety data sheet: Producer and supplier: AUSTIS a. s. Adress: K Austisu 680, 154 00 PRAHA 5 - Slivenec +420 251 099 111 Telephone number: Fax: +420 251 099 112 austis@austis.cz e-mail 1.4 +420 725 491 378 Emergency telephone number: +420 251 099 247 Centre of the Toxicologicaly information Na Bojišti 1, 120 00 Prague 2, Tel.: +420 224 919 293 C7 2. Section 2: Hazard identification 21 Classification of the substance or mixture The mixture is classified as dangerous. Classification under Regulation 1272/2008/EU Eye Dam. 1; H318 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317 2.2 Label elements Symbols: GHS05 GHS07 Signal word: Dangerous It contains a hazardous substance: Cement (Portland) clinker, dust from the production of Portland clinker Hazard Statement: H318: Causes serious eye damage.

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H335: May cause respiratory irritation. H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

	Precautionary Statement:	protection. P305+P351+P338: IF IN EYES several minutes. Remove cont Continue rinsing. P310: Immediately call a POIS P302+P352: IF ON SKIN: Was P332+P313: If skin irritation oc P501: Dispose of contents/con	protective clothing/eye protection/ face 5: Rinse cautiously with water for act lenses, if present and easy to do.
2.3	Other hazards:		eria to be classified as PBT or vPvB endocrine disruptor, nor does it
	Other risks:	unknown	
3.	Section 3: Composition / information on ingredients		
2.0	Mixture of cement, graded quartz sand and refining chemicals.		
3.2	Mixtures	Silico	Portland comont
	Chemical name: Content [%]:	Silica 50	Portland cement 20 - 50
	Index number:	Not Assigned	Not Assigned
	CAS:	14808-60-7	65997-15-1
	EC number (EINECS):	238-878-4	266-043-4
	REACH Registration number:	Not Assigned	Not Assigned
	Classification according to Directive 1272/2008/EU:	not Assigned	Eye Dam. 1; H318 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317
	Specific concentration limits, M-factors:	Not Assigned Established Exposure limit	Not Assigned Established Exposure limit
	Full text of H - phrases in Section 16	EH40/2005 (WELs):	EH40/2005 (WELs):
4	Section 4: First aid measures		
4. 4.1	Description of first aid measures		
4.2	 When providing first aid it is necessary to ensure safety of both victim and person rescuing. It is necessary to avoid chaotic behavior. Victim must be kept in mental and physical rest. Victim must be kept warm and must not get cold. Take original container with label or safety data sheet with information about substance or mixture with you in case of medical examination. Inhalation: Break exposure, move to fresh air and protect the victim from cold. Provide medical treatment especially if coughing, shortness of breath or other symptoms persist. When on skin: Put away contaminated clothes and shoes, wash the contaminated spot with plenty of tepid water; if the skin is not irritated, soap can be used; seek doctor's advice, especially if the skin stays irritated. Eye Contact: Rinse eyes with plenty of water (10 to 15 minutes). Keep your eyes opened (even by force if necessary). If the victim is wearing contact lenses remove them immediately. Seek medical attention. Ingestion: Do not induce vomiting! Drink at least 0,5 liters of water with 5 to 10 tablets of crushed charcoal. In case of nausea contact the Toxicology Information Centre for need of medical treatment with information about composition of the mixture from the original container or SDS. 		
4.Z	Most important symptoms and effects, both acute and delayed	collowed It can irritate akin museue m	combrance and avec
4.3	The product may have adverse effects through inhalation and if sw Indication of any immediate medical attention and special treatme		Symptomatic treatment
5.	Section 5: Fire-fighting measures		
5 .1	Extinguishing media		
	Suitable extinguishing media: not relevant		
	Unsuitable extinguishing media: not relevant		
5.2	Special hazards arising from the substance or mixture: none		
5.3	Advice for firefighters: none		
6.	Section 6: Accidental release measures		
6.1	Personal precautions, protective equipment and emergency proce respirator.		
6.1.1	For workers except for those intervening in emergency cases - instructions in case of accidental spill and leak of substance or mixture: a) use of appropriate protection (including personal protective equipment according to part 8 BL), in order to avoid any skin, eyes or personal clothing contamination;		

6.1.2 6.2 6.3 6.3.1 6.3.2 6.4	 b) removing possible sources of ignition, providing proper version of the second sec	from dangerous area or consultation with an expe or appropriate materials of personal protective suit - leakage into drains, surface water, groundwater g: e	s (see part 8 BL)
7.	Section 7: Handling and storage		
7.1	Measures for safe manipulation:		
7.1.1	 Recomendations: a) Workers handeling the product have to get familiar with h (enclosing of leaked mixture, sealing of demaged packages on) andlimit the production of aerosol and dust. b) Obey measures for prevention of manipulation with incon c) Store in original closed packages in temperature from +5 	and so on), for fire prevention (remove ignition so	urces, non-sparkling tools and so ommon areas.
	not expose to direct sunlight or other heat sources. d) Prevent the contamination of environment, i.e. leak into c	analization surface or underground water and so	1
7.1.2	Instructions for general hygiene of work:	and zation, surface of underground water and sol	
	a) Do not eat, drink or smoke on work areas.		
	b) After working with product wash your hands with soap an	d water, eventualy use regeneration hand cream.	
	c) Before entering dining areas, remove contaminated cloth	ing and protective equipment.	
7.2	Conditions for safe storage of substances and mixtures including incompatible substances and mixtures: Store in dry and well-ventilated storages in original closed packages in temperatures from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). not expose to direct sunlight or other heat sources. Prevent any contact with oxidazing substances, strong acids and bases. Do not store wi food, drinks and feed. The product is not a flamable liquid according to ČSN 65 0201.		0 °C (not even in short term). Do
7.3	Specific end use: see part 1.2; coating procedure and recondocumentation.	nendations are listed in technical list of the produc	t, or in other product
8.	Section 8: Exposure controls / personal protection		
8. 8.1	Section 8: Exposure controls / personal protection Control parameters:		
	Control parameters:	Portland cement inhalable dust / respirable dust	Silica, respirable crystalline
	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name:	dust / respirable dust	
	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS:	dust / respirable dust 65997-15-1	14808-60-7
	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS: Long-term exposure limit [mg/m ³] (TWA/8 h) Short-term exposure limit [mg/m ³] (15 minut)	dust / respirable dust	
8.1	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS: Long-term exposure limit [mg/m ³] (TWA/8 h)	dust / respirable dust 65997-15-1 10 / 4 - s worn while working with the product. Contaminat	14808-60-7 0,1 - red work clothes can be reused
8.1 8.2 8.2.1	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS: Long-term exposure limit [mg/m ³] (TWA/8 h) Short-term exposure limit [mg/m ³] (15 minut) Exposure controls Ensure adequate ventilation. Ensure protective equipment is after thorough cleaning. Wash your hands and face with soar Appropriate engineering controls: Observe the usual precau	dust / respirable dust 65997-15-1 10 / 4 - s worn while working with the product. Contaminat ap and water after use. Do not eat, drink or smoke tions to protect the health and make sure the work	14808-60-7 0,1 - red work clothes can be reused while working with the product.
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8.1 8.2 8.2.1	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS: Long-term exposure limit [mg/m ³] (TWA/8 h) Short-term exposure limit [mg/m ³] (15 minut) Exposure controls Ensure adequate ventilation. Ensure protective equipment is after thorough cleaning. Wash your hands and face with soa Appropriate engineering controls: Observe the usual precau Individual protection measures, such as personal protective Occupational exposure is governed by Directive 89/686/EEC this Regulation. a) Eyes and face protection: Suitable safety goggles (EN 16 b) Skin protection: Common safety clothing with long sleave water. b-1) Hands protection: suitable protective gloves (made from	dust / respirable dust 65997-15-1 10 / 4 - s worn while working with the product. Contaminate ap and water after use. Do not eat, drink or smoke tions to protect the health and make sure the work equipment: C therefore any use of personal protective equipment 6), face shiled. and shoes; take of the contaminated clothing and n rubber - according to EN 374), wash your hands	14808-60-7 0,1 - red work clothes can be reused while working with the product. king space is well-ventilated. ent must be in accordance with d wash your skin with soap and with soap and water after work,
8.1 8.2 8.2.1 8.2.2	Control parameters: Exposure limits EH40/2005 (WELs): Chemical name: CAS: Long-term exposure limit [mg/m ³] (TWA/8 h) Short-term exposure limit [mg/m ³] (15 minut) Exposure controls Ensure adequate ventilation. Ensure protective equipment is after thorough cleaning. Wash your hands and face with soa Appropriate engineering controls: Observe the usual precau Individual protection measures, such as personal protective Occupational exposure is governed by Directive 89/686/EE0 this Regulation. a) Eyes and face protection: Suitable safety goggles (EN 16 b) Skin protection: Common safety clothing with long sleave water. b-1) Hands protection: suitable protective gloves (made from use reparing hand cream. c) Airways protection: with proper area ventilation not requir quarter-shiled with gass filter (EN 140, EN 141). d) Heat hazard: Special attention must be paid to constructi protection against materials, which are considered to be head	dust / respirable dust 65997-15-1 10 / 4 - s worn while working with the product. Contaminate ap and water after use. Do not eat, drink or smoke tions to protect the health and make sure the work equipment: C therefore any use of personal protective equipm 6), face shiled. a and shoes; take of the contaminated clothing and in rubber - according to EN 374), wash your hands ed. When spraying, face half-shiled is recomender on of personal protective measures, when specify at hazard. Not relevant for this product.	14808-60-7 0,1 - red work clothes can be reused while working with the product. king space is well-ventilated. ent must be in accordance with d wash your skin with soap and with soap and water after work, d for gass filtration (EN 405) or
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	Odor threshold:	Not specified
	d) Melting/Freezing point (temperature range) (°C):	Not specified
	e) Boiling point or initial boiling point and boiling range (°C)	Not specified
	f) Combustibility:	Not specified
	g) Explosion limints: upper limit (% volume):	Not specified
	lower limit (% volume):	Not specified
	h) Point of ignition:	Not specified
	i) Temperature of self-ignition:	Not specified
	j) Temperature of decomposition (°C):	Not specified
	k) pH (23 °C)	11,0 - 13,5 (when mixed with water)
	I) Kinematic viscosity:	Not specified
	m) Solubility (23 °C)	
	- with water:	up to 1,5 g/L with water
	- with fats:	Not specified
	n) Partition coefficient n - octanol/water:	Not specified
	o) Steam pressure (20 °C):	Not specified
	p) Density and/or relative density (20 °C):	approximately 1,7 - 1,9 g.cm ⁻³
	q) Relative viscosity of steam (at °C):	Not specified
	r) Particles characteristics:	Not specified
9.2	Other information:	
). <u>-</u>).2.1		is not relevant
).2.2	Information about class of physical hazard:	13 Hot relevant
.2.2	Other safety characteristics Evaporation rate:	Netenseified
		Not specified
	Dynamic viscosity:	Not specified
	Explosive properties:	Not specified
	Oxidizing properties:	Not specified
0	Soction 10: Stability and reactivity	
0.	Section 10: Stability and reactivity	
	Product is stable under recommended storage and handling condition	
10.1	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and	handling conditions.
	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage ar	
0.1 0.2	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage are limited duration of action	handling conditions.
10.1 10.2 10.3	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and limited duration of action Possibility of hazardous reactions: unknown	handling conditions.
10.1 10.2 10.3 10.4	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage are limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids.	handling conditions.
10.1 10.2 10.3 10.4 10.5	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage are limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids	handling conditions. nd handling conditions. The product contains a reducing agent with a
10.1 10.2 10.3 10.4	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids	handling conditions.
0.1 0.2 0.3 0.4 0.5 0.6	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere.	handling conditions. nd handling conditions. The product contains a reducing agent with a
0.1 0.2 0.3 0.4 0.5 0.6 1.	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information	handling conditions. nd handling conditions. The product contains a reducing agent with a
0.1 0.2 0.3 0.4 0.5 0.6	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage are limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008	handling conditions. The product contains a reducing agent with a nd handling conditions. The product contains a reducing agent with a ixture itself is a product of thermal decomposition, it is dangerous to inhale
0.1 0.2 0.3 0.4 0.5 0.6 1.	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and Imited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008 a) acute toxicity:	handling conditions. nd handling conditions. The product contains a reducing agent with a
0.1 0.2 0.3 0.4 0.5 0.6 1.	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage are limited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008	handling conditions. The product contains a reducing agent with a nd handling conditions. The product contains a reducing agent with a ixture itself is a product of thermal decomposition, it is dangerous to inhale
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10.1 10.2 10.3 10.4 10.5 10.6 11.	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and Imited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008 a) acute toxicity: • LD ₅₀ , oral, rat (mg.kg ⁻¹): • LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹): • LC ₅₀ , by inhalation, rat, for aerosols or particles (mg.kg ⁻¹): • b) corrosivity/skin irritation: c) serious eye damage / eyes irritation: d) sensitivity of airways / sensitivity of skin: e) germ cells mutagenicity: f) carcinogenicity: g) toxicity for specific organs - single exposure: i) toxicity for specific organs - single exposures: j) hazards while inhaled: Human experience: Tests on animals: Information for each hazard class or breakdown:	handling conditions. Ind handling conditions. The product contains a reducing agent with a ixture itself is a product of thermal decomposition, it is dangerous to inhale the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information 0,3 (for intermittent exposure for 10 years) Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information May cause respiratory irritation. the classification cirteria are not met based on avilable information May cause respiratory irritation. In the form of dust even after mixing with water seriously damages eyes, irritates the respiratory system and skin. For very sensitive people there is a risk of sensitization by prolonged skin contact. Not performed see above
10.1 10.2 10.3 10.4 10.5 10.6	Product is stable under recommended storage and handling condition Reactivity: Product is not reactive under recommended storage and Chemical stability: Product is stable under recommended storage and Imited duration of action Possibility of hazardous reactions: unknown Conditions to avoid: uncontrolled contact with water and acids. Incompatible materials: water and acids Hazardous Decomposition Products: Thermal decomposition: the m the dust after dispersing it into the atmosphere. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008 a) acute toxicity: • LD ₅₀ , oral, rat (mg.kg ⁻¹): • LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹): • LC ₅₀ , by inhalation, rat, for aerosols or particles (mg.kg ⁻¹): • b) corrosivity/skin irritation: c) serious eye damage / eyes irritation: d) sensitivity of airways / sensitivity of skin: e) germ cells mutagenicity: f) carcinogenicity: g) toxicity for specific organs - single exposure: i) toxicity for specific organs - single exposures: j) hazards while inhaled: Human experience: Tests on animals: Information for each hazard class or breakdown:	handling conditions. Ind handling conditions. The product contains a reducing agent with a ixture itself is a product of thermal decomposition, it is dangerous to inhale the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information 0,3 (for intermittent exposure for 10 years) Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information the classification cirteria are not met based on avilable information In the form of dust even after mixing with water seriously damages eyes, irritates the respiratory system and skin. For very sensitive people there is a risk of sensitization by prolonged skin contact. Not performed

11.1.3	If enough information from substance/mixture trials exist, it might be necessary to sum up results of used studies, for example according to exposure run	not relevant
11.1.4	If the classification criteria are not met for specific hazard class, information explaining the justification should be stated.	relevant concentration limits were not exceeded
11.1.5	Information about likely exposure run	no effects on human health are known
11.1.6	Symptoms corresponding to physical, chemical and toxicological features	no effects on human health are known
11.1.7	Belated and immediate effects and chronical effects of short/long term exposure	no effects on human health are known
11.1.8	Interactive effects	unknown
	Lack of specific data	not relevant
	Mixtures	see part 8
	Mixtures information compared to substance information	
1		and can actual different lougle of charming matcheliam and
	1) Substances in the mixture can react with each other inside of a body a	
	2) It is necessary to consider, if concentration of each substance is sufficient a) if the information are doubled, they are listed only once for a substance as a whole, for example when two different substances are causing vomiting and diarrhea;	Not relevant for this mixture.
	b) if it is not likely the effects will appear with current concentrations, for	Not relevant for this mixture
	example when weak irritating substance is disolved in non-irritating solution to a level under certain concentration;	
	c) if the information about mutual effects of substances in the mixture	see part 8
	are unavilable, no assumptions will be listed and instead effects on health of each substance will be listed.	
	Additional data:	None
11.2	Other hazards information	
11.2.1	Features causing disruption of endocrinal system	Not relevant for this mixture.
11.2.2	Other information	None
12.	Section 12: Ecological information	
12.1	Toxicity	
	Acute toxicity for water organisms:	
	- LC ₅₀ , 96 hours, fish (mg/kg):	Not set
		Not set
	- LC ₅₀ , 48 hours, fish (mg/kg):	
	- IC ₅₀ , 72 hours, algae (mg/kg):	Not set
	Toxicity to other environments:	not determined, the mixture is poorly soluble in water, but if large quantities leak, the aquatic environment may strongly alkaline and therefore damage aquatic organisms
12.2	Persistence and degradability:	it is assumed that it is practically non-existent
12.3	Bioaccumulative potential:	Not set
12.4	Mobility in soil:	small even in unused state, in hardened state it is immobile
12.5	Results of PBT and vPvB	The mixture does not meet the criteria for classification as PBT or vPvB.
12.6	Features causing disruption of endocrinal systém	Unknown for this mixture
12.7	Other adverse effects:	See Section 2
	Additional data:	The product must not leak into surface and groundwater. Notify
		competent authorities immediately in case of accident.
13.	Section 13: Disposal considerations	
13. 13.1	Section 13: Disposal considerations	
13. 13.1	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated packag personnel. Dispose of used / contaminated packaging through authorize	d personnel.
	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated packag personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling:	d personnel. unknown
	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated packag personnel. Dispose of used / contaminated packaging through authorize	d personnel. unknown th components and hardened mixture into drains.
13.1	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid	d personnel. unknown th components and hardened mixture into drains.
13.1 14.	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes.
13.1	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number	d personnel. unknown th components and hardened mixture into drains.
13.1 14.	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number Required shipping label:	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes. Not specified
13.1 14.	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes.
13.1 14.	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of body d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number Required shipping label:	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes. Not specified
13.1 14 .	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of body d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number Required shipping label: ADR/RID/ADN:	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes. Not specified Not specified
13.1 14 .	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number Required shipping label: ADR/RID/ADN: IMDG:	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes. Not specified Not specified Not specified
13.1 14. 14.1	Methods of waste management: a) Appropriate methods of substance, mixture and contaminated package personnel. Dispose of used / contaminated packaging through authorize b) Physical / chemical properties that can affect ways of waste handling: c) Avoid disposal through sewer: It is necessary to prevent leakage of bo d) Special precautions for the recommended waste management: Avoid Section 14: Transport information UN number or ID number Required shipping label: ADR/RID/ADN: IMDG: ICAO TI:	d personnel. unknown th components and hardened mixture into drains. contact with skin, mucous membranes and eyes. Not specified Not specified Not specified

	IMDG:		Not exactly a
	ICAO TI:		Not specified Not specified
1.3		hazard class(es):	Not specifica
.0	ADR/RID		Not specified
	IMDG:		Not specified
	ICAO TI:		Not specified
.4	Packing g	Iroup.	
	ADR/RID		Not specified
	IMDG:		Not specified
	ICAO TI:		Not specified
5		ental hazards:	Not specified
6		recautions for user:	See Section 8
0			Not specified
7		rovisions (ADR): ss-transport according to instrumenst IMO:	Not applicable
'	Notes:		None
	Additiona	I data:	None
	Section 1	5: Regulatory information	
1	•	ealth and environmental regulations/legislation specified	
	-		(EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation a
		n of Chemicals establishing European Chemicals Age	
	-	n of the European Parliament and Council Regulation	(EC) No 1272/2008 (CLP) as amended
		on directive (EU) No. 878/2020	
		f Substances Hazardous to Health Regulations (as an	ed 2011). Containing the list of workplace exposure limits for use with the
.2		ent of chemical safety of mixture:	Not performed
-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Section 1	6: Other information	
	a) New eo	dition.	
			afety data sheet
	b) key or	legend for abbreviations and accronyms used in the s	•
	b) key or LD ₅₀	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula	ation relative to a control sample.
	b) key or LD ₅₀ LC ₅₀	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p	ation relative to a control sample. opulation relative to a control sample.
	b) key or LD ₅₀ LC ₅₀ EC ₅₀	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample.
	b) key or LD ₅₀ LC ₅₀ EC ₅₀ EC ₁₀	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample.
	b) key or LD_{50} LC_{50} EC_{50} EC_{10} IC_{50}	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. wth rate of 50% of the test population relative to a control sample.
	b) key or LD_{50} LC_{50} EC_{50} EC_{10} IC_{50} LL_{50}	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality
	b) key or LD_{50} EC_{50} EC_{10} IC_{50} LL_{50} EL_{50}	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality
	b) key or LD_{50} EC_{50} EC_{10} IC_{50} LL_{50} EL_{50} PBT	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances.	ation relative to a control sample. opulation relative to a control sample. at population relative to a control sample. at population relative to a control sample. wth rate of 50% of the test population relative to a control sample. 50% mortality in 50% mortality
	b) key or LD_{50} EC_{50} EC_{10} IC_{50} LL_{50} EL_{50} PBT vPvB	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality In 50% mortality
	b) key or LD_{50} EC_{50} EC_{10} IC_{50} LL_{50} EL_{50} PBT vPvB DNEL	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of t	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality In 50% mortality In 50% mortality In 50% mortality
	b) key or LD ₅₀ LC ₅₀ EC ₁₀ IC ₅₀ LL ₅₀ EL ₅₀ PBT vPvB DNEL DMEL	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of the Derived Minimum Effect Level - derived minimum	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality in 50% mortality es. The substance without adverse effects level at which the adverse effects
	b) key or LD ₅₀ EC ₅₀ EC ₁₀ IC ₅₀ LL ₅₀ EL ₅₀ PBT vPvB DNEL DMEL NOAEL	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of to Derived Minimum Effect Level - derived minimum No Observed Adverse Effect Level - no negative effective effects	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality In 50% mortality ES. The substance without adverse effects level at which the adverse effects fect was observed
	b) key or LD ₅₀ EC ₅₀ EC ₁₀ IC ₅₀ LL ₅₀ PBT vPvB DNEL DMEL NOAEL PNEC	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of t Derived Minimum Effect Level - derived minimum No Observed Adverse Effect Level - no negative effect Predicted No Effect Concentration - an estimate of	ation relative to a control sample. opulation relative to a control sample. at population relative to a control sample. at population relative to a control sample. with rate of 50% of the test population relative to a control sample. 50% mortality in 50% mortality es. he substance without adverse effects level at which the adverse effects fect was observed the concentration of the substance without adverse effects
	b) key or LD_{50} EC_{50} EC_{10} IC_{50} LL_{50} PBT vPvB DNEL DMEL NOAEL PNEC NOELR	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of the Derived Minimum Effect Level - derived minimum No Observed Adverse Effect Level - no negative effect Predicted No Effect Concentration - an estimate of No Observed Effect Loading Rate - dosage rate with	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality In 50% mortal
	b) key or LD ₅₀ LC ₅₀ EC ₁₀ IC ₅₀ LL ₅₀ EL ₅₀ PBT vPvB DNEL DMEL DMEL NOAEL PNEC NOELR NOEC	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Inhibitory concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substance Derived No Effect Level - derived concentration of t Derived Minimum Effect Level - derived minimum No Observed Adverse Effect Level - no negative eff Predicted No Effect Concentration - an estimate of No Observed Effect Concentration - concentration of	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality in 50% mortality es. The substance without adverse effects level at which the adverse effects rect was observed the concentration of the substance without adverse effects hout observed effect without observed effect
	b) key or LD ₅₀ LC ₅₀ EC ₁₀ IC ₅₀ LL ₅₀ EL ₅₀ PBT vPvB DNEL DMEL DMEL NOAEL PNEC NOELR NOEC NOEL	legend for abbreviations and accronyms used in the s The lethal dose for 50 % mortality of the test popula Lethal concentration for 50 % mortality of the test p Effective concentration for 50 % mortality of the test Effective concentration for 10 % mortality of the test Inhibitory concentration to reduce the growth or gro Lethal loading doses of test substance resulting in 5 Effective loading doses of test substance resulting in Persistent, bioaccumulative and toxic substances. Very persistent and very bioaccumulative substances Derived No Effect Level - derived concentration of t Derived Minimum Effect Level - derived minimum No Observed Adverse Effect Level - no negative eff Predicted No Effect Loading Rate - dosage rate wit No Observed Effect Concentration - concentration of No Observed Effect Level - level without observed effect No Observed Effect Level - level without observed effect Level - level No observed Effect Level - level Not o	ation relative to a control sample. opulation relative to a control sample. It population relative to a control sample. It population relative to a control sample. With rate of 50% of the test population relative to a control sample. 50% mortality in 50% mortality es. The substance without adverse effects level at which the adverse effects level at which the adverse effects fect was observed the concentration of the substance without adverse effects hout observed effect without observed effect
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d) in case of mixture, statement about evaluation method used for classification according to article 9 of directive (ES) number 1272/2008 For evaluation purposes, principles of extrapolation were used. Calculation methods.

e) List of H-sentences	whose full form is not listed in other parts.
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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Guidelines for training:

As required by national legislation.

Recommended restrictions on use (i. e. non-statutory recommendations by supplier):

Product should not be used for other purposes than specified (see section 1.2). Because specific conditions of use are beyond supplier's control, it is the responsibility of the user to adapt all the mentioned information to local law and regulations. Safety information describe the product with regard to safety and cannot be considered technical information about the product.