

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trading name:	BIO-DIFF 2 RTU REAGENT			
Product code:	BD2-RTU	Date of compilation:	14 November 2022	Version: 4

1.1.	Product identifier					
	Trading name:	BIO-DIFF	2 RTU REAGE	NT		
	Chemical name:	-				
	Catalogue number:	BD2-RTU				
1.2.	Relevant identified us	es of the su	bstance or mi	xture and uses advised against		
	Uses:		Buffered ı	Buffered red component of Bio-Diff RTU kit.		
	Uses advised against:		Only the i	dentified uses are advised.		
	Reason why uses advised against:		The product is intended for use only as an <i>in vitro</i> diagnostic medical device, registered at the Agency for Medicinal Products and Medical Devices and there is no reason to use it for other purposes			
1.3.	Details of the supplier	of the safe	ty data sheet			
	Supplier: Bi		BioGnost Ltd.			
	Address: N		Medjugorska	59, Zagreb		
	Telephone number:		+385 1 2409997			
	Fax no.:		+385 1 2404039			
	e-mail of competent person:		msds@biognost.hr			
	National contact: -		-			
1.4.	Emergency telephone	Emergency telephone number				
	National Protection a	nd Rescue D	Directorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	CTION 2. Hazards identification			
2.1.	Classification of the substance or mixture			
2.1.1.	Classification according to Regulation (EC) No 1272/2008 (CLP)			
	Hazard class and category code: Hazard statements*:			
	Not identified as hazardous subs	stance.	-	
2.1.2.	Additional information			
	-			
*For fu	ll text of Hazard- and EU Hazard-st	tatements: see S	Section 16	
2.2.	Label elements			
	Product identification:	BIO-DIFF 2 R	RTU REAGENT	
	Identification number:	-		
	Authorization no.:	-		
	Hazard pictograms:	-		



Other hazards

Endocrine Disrupting Properties:

No known endocrine disrupting properties.

2.3.

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	Signal wo	rd:	-		
	Hazard statements:		-		
	Precautionary statements:		-		
	Supplemetal hazard information (EU):		-		

CAS/ Classification acco	
EC/ Index no. REACH Weight % content (or range) Registration No (or range) Identification name Regulation (EG) 1272/2008 (G)	C) No

substances

SECTI	ION 4. First aid measures				
4.1.	Description of first aid meas	ures			
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first ai	der: Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea.			
	Following skin contact:	Slight irritation. After short exposure, resorption effects are not likely. Long-term exposure may cause drying, cracking and tingling sensation of skin.			
	Following eye contact:	Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.			



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	Following ingestion:	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.
4.3.	Indication of any immediate medical attention and special treatment needed	
	-	

SECTIO	SECTION 5. Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media: Small fire - water spray, dry powder, CO ₂ Large fire - water spray or alcohol-resistant foam			
	Unsuitable extinguishing media: water jet			
5.2.	Special hazards arising from the substance or mixture			
	Hazardous combustion products: No information available			
5.3.	Advice for firefighters			
	Use a self-contained open-circuit compressed air breathing apparatus and fireproof clothing. Cool closed containers exposed to fire with water spray or vapor.			
5.4.	Additional information			
	Remove sources of heat and ignition. Do not contaminate the environment with extinguishing media.			

SECTIO	SECTION 6. Accidental release measures				
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods: Evacuate members of all non-essential person members without protective equipment. Remov sparks and ignition. Do not smoke.				
	Emergency procedures: Mark the area using proper signs.				
6.1.2.	For emergency responders:				
	Wear protective equipment (see Section 8).				
6.2.	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3.	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures: Sand or clay barriers.				



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using inflammable material (sand, diatomaceous earth, vermiculite). Place the waste material in tightly closed impermeable containers. Store the substance in well ventilated storage rooms until disposal. Submit for disposal to the legal persons authorized by the Ministry of Environmental and Nature Protection. After disposal of the products, wash the area and and involved materials with water.
6.3.3.	Other information:	-
6.4.	Reference to other section	ns
	See Section 7 for information about secure handling. See Section 8 for information about personal protective equipment. See Section 13 for information about containment.	

SECTIO	ON 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire: Measures to prevent aerosol and dust generation: Measures to protect the environment:		Keep away from sources of heat and ignition. Do not smoke.				
			Secure proper ventilation.				
			Prevent spilling into the sewage system and waterways.				
	Other measures:		-				
7.1.2.	Advice on general occupational hygiene:						
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before eating.						
7.2.	Conditions for safe storage, including any inco	ilities					
	Technical measures and storage conditions:	ventil	in tightly closed and upright set containers in a well lated storage rooms, and away from sources of heat, ght, and other incompatible substances.				
	Packaging materials:	Manu	Manufacturer's original packaging.				
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.					
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.					
	Further information on storage conditions:	and c	ot place the unused material in the storage room do not use empty containers for storing other sicals. Do not store with incompatible materials (see on 9).				
7.3.	Specific end use(s)						



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D	1							
Recommer				-				
Industrial s	ector spe	cific solutio	ns:	-				
SECTION 8. Exposu	ıre contr	ols/persona	al protec	tion				
8.1. Control pa	rameters							
				Occupati	ional ex	posure limit		
Substance		CAS I	No	values/	short to	erm values	Biolo	gical limit values
				ppm		mg/m³		
_		-		-		-	No informa	ition available
Substance name:								
EC No: -		CAS No:	_					
DNEL		C/15 110.						
				Industr	rial			
		Acute		Acute		Chron	ic	Chronic
Route of exposure:				ct systemi				effect systemic
Oral	-		-			-		
Inhalation	-		-			-		
Dermal	-		-			-	-	
Critical physical para	ameters:	solubility, fla	ammabilit	y, corrosiv	ity:	-		
				Consun	ner			
Route of exposure:	/	Acute A		Acute		Chronic		Chronic
Noute of exposure.	effe	ect local	ect local effect sy		С	effect local		effect systemic
Oral	-		-			-	-	
Inhalation	-		-			-		
Dermal			-			-	-	
PNEC								
Environmental protection target				PNEC				
Fresh water					No information available			
Freshwater sediments				No information available				
Marine water						ation availabl		
Marine sediments					No information available			
Food chain					No information available			
Microorganisms in s	sewage tr	eatment				ation availabl		
Soil (agricultural)				No	No information available			



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Air			No information available					
8.2.	Exposure controls							
8.2.1.	Appropriate engineering controls							
0.2.1.	Substance/mixture relate measures to prevent expeduring identified uses:	d	Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.					
	Structural measures to preexposure:	event	No information available					
	Organisational measures prevent exposure:	to	Organization of work in order to reduce other worker's influence during work process.					
Technical measures to prever exposure:		event	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.					
8.2.2.	Personal protection equi	Personal protection equipment						
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (preventing splashing) (EN 166) ovisor.						
8.2.2.2.	Skin protection							
U.Z.E.Z.	Hand protection:		tective gloves must be according to the EU Directive 2016/425/EEC and ndard EN 374. Glove material: nitrile rubber Glove thickness: ≥0.50 mm Break through time: >480 min					
	Other skin protection:		antistatic clothing made of natural fibers (such as cotton) with long es (EN 13034), and shoes that cover the entire foot (EN 10335).					
8.2.2.3.	Respiratory protection:	Protective full face mask (EN 136) or half mask (EN 140) equipped with a filter for organic vapors, type "A" (boiling point >65°C) acording to EN 14387) used when concentration levels exceed GVI.						
8.2.2.4.	Thermal hazards:	No inf	formation available					
8.2.3.	Environmental exposure	controls						
	Substance/mixture relate measures to prevent exp		See Section 6					
	Structural measures to preexposure:	revent	Use modern equipment.					
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.					
	Technical measures to prexposure:	event	See Section 6					

SECTION 9. Physical and chemical properties



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Trading name:	BIO-DIFF 2 RTU REAGENT						
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	Value	Method
Physical state:	liquid	No information available
Color:	red	No information available
Odour/odour threshold:	no odor/no information available	No information available
Melting point / freezing point:	No information available	No information available
Boiling point or initial boiling point and boiling range:	No information available	No information available
Flammability:	No information available	No information available
Lower and upper explosion limit:	No information available	No information available
Flash point:	No information available	No information available
Auto-ignition temperature:	No information available	No information available
Decomposition temperature:	No information available	No information available
pH:	5.5 – 6.5	No information available
Kinematic viscosity:	No information available	No information available
Solubility:	No information available	No information available
Partition coefficient n-octanol/water (log value):	No information available	No information available
Vapour pressure:	No information available	No information available
Density and/or relative density	No information available	No information available
Relative vapour density:	No information available	No information available
Particle characteristics:	No information available	No information available

SECTIO	SECTION 10.: Stability and reactivity				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	No information available.			
10.4.	Conditions to avoid:	No information available.			
10.5.	Incompatible materials:	No information available.			
10.6.	Hazardous decomposition products:	No information available.			

SECTION 11. Toxicological information



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Trading name:	BIO-DIFF 2 RTU REAGENT						
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Acute toxic	city:						
Route of exposure:	Method	Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure ti	me Results		
Oral exposure:	No information available	-	LD ₅₀	-	-		
Dermal exposure:	No information available	-	LD ₅₀	-	-		
Inhalation exposure:	No information available	-	LC ₅₀	LC ₅₀ -			
Specific ta	get organ toxicity – si	ngle exposure ((STOT SE):				
	Specifi	c effects	Target	organ	Note		
Oral exposure:	No information a	available	No informati	on available	-		
Dermal exposure:	No information a	available	No informati	on available	_		
Inhalation exposure	: No information a	available	No informati	_			
Irritation a	nd corrosion:						
	Exposure time	Species	Evaluation	Method	Note		
Skin irritation:	-	rabbit	-				
Eye irritation:	-	rabbit	-				
Sensitizatio	on						
Dermal exposure:	No information availa	able					
Inhalation exposure:	No information availa	able					
	related to the physica	l, chemical and	toxicological chara	octeristics			
Symptoms	Swallowing may cause irritation of mucosa, tingling sensation in the mouth, burning sensation; higher levels of concentration may cause nausea, abdominal pain and vomiting. In case of vomiting, aspiration causes coughing, difficult breathing. Higher levels of concentration may cause suffocation.						
Symptoms Oral exposure:	sensation; higher l	evels of concer g, aspiration ca	ntration may cause uses coughing, diff		•		



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Inhalation exposure: Eye exposure:		Inhalation of large amounts of vapors in inadequately ventilated perimeter may cause coughing, sneezing, headache and nausea. Direct eye contact may cause slight to moderate irritation, lacrimation and burning sensation.							
Керейс		Dose Dose	Exposure time	Species	<u>C)</u>	Method	Evaluation	Note	
Subacute oral	No avail	information able	No information available	No informati available	on	No information available	No informatio available	on -	
Subacute dermal	No avail	information able	No information available	No informati available	on	No information available	No informatio available	n -	
Subacute inhalation	No avail	information able	No information available	No informati available	on	No information available	No informatic available	n -	
Subchronic oral	No avail	information able	No information available	No informati available	on	No information available	No informatic available	on -	
Subchronic dermal	No avail	information able	No information available	No informati available	on	No information available	No informatio available	n -	
Subchronic inhalation	No avail	information able	No information available	No informati available	on	No information available	No informatic available	on -	
Chronic oral	hronic oral No information available		No information available	No informati available	on	No information available	No informatic available	on -	
Chronic dermal	No avail	information able	No information available	No informati available	on	No information available	No informatio available	n -	
Chronic inhalation	No avail	information able	No information available	No informati available	on	No information available	No informatic available	on -	
C: £ -	+0***	organ tanksis			TOT 10				
Specific	target	1	y – repeated e pecific effects	xposure (S	IOIK		an	Note	
Subacute oral			tion available		No ii	Target organ No information available -		- Note	
Subacute dermal			tion available			nformation avai		-	
Subacute inhalat			tion available			nformation avai		_	



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Subchr	onic oral	No informat	ion available	No information available	-			
Subchro	onic dermal	No informat	ion available	No information available	-			
Subchr	ubchronic inhalation No information		ion available	No information available	-			
Chronic oral No informatio Chronic dermal No informatio		ion available	No information available	-				
		ion available	No information available	-				
Chronic	inhalation	No informat	ion available	No information available	-			
	i							
	CMR effects (c	arcinogenicity	; mutagenicity; rep	roductive toxicity)				
	Carcinogenicit	y:	Current studies	Current studies on test animals did not indicate carcinogenic effects.				
	Mutagenicity i	n-vitro:	Current in vit	Current in vitro tests did not indicate mutagenic effects.				
	Genotoxicity:		No information available					
	Mutagenicity i	n-vivo:	Current in viv	Current <i>in vivo</i> tests did not indicate mutagenic effects. No information available				
	Germ cell mut	agenicity:	No information					
	Reproductive t	toxicity:	No toxicity o organs.	n reproductive organs was deter	mined in reproductive			
	Summary of ev	valuation of th	e CMR properties:	-				
	.i							
11.2.	Information on other hazards:							
11.2.1.	Endocrine disr	upting proper	ties:					
	No known end	locrine disrupt	ing properties that	affect human health.				
11.2.2.	Other informa	tion:						

Information on other hazards:
Endocrine disrupting properties:
No known endocrine disrupting properties that affect human health.
Other information:
-

SECTION 12. Ecologi	SECTION 12. Ecological information								
12.1. Toxicity									
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			
Fish	LC ₅₀	96 hours	No information available	No information available	-	-			
Crustacea:	EC ₅₀	48 hours	No information available	No information available	-	-			
Algae/aquatic plants	IC ₅₀	8 days	No information available	No information available	-	-			
Microorganisms	LC ₅₀	72 hours	-	-	_	-			
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note			



Soil

No information available

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Fish	LC ₅₀	96 hours	No information available	No information available	No information available	-
Crustacea:	EC ₅₀	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-

12.2. Pe	rsistence and degradability			
Ab	iotic degradation			
	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	No information available	No information available	No information available	-
Air	No information available	No information available	No information available	-

No information available

No information available

Biodegradation								
% Degradation	Time (days)	Method	Evaluation	Note				
No information available								

Oc	tanol-water partition	coefficien	t (log Ko	ow)		
Value	Concentration	рН	°C	Method	Evaluation	Note
_	No information available	-	-	No information available	No information available	-
Bic	oconcentration factor	(BCF)				
Value	e Spec	ies		Method	Evaluation	Note



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No information available		No inform available					nformation able		No information available	
Chi	ronic eco	otoxicity								
V	alue	Dose		osure ime	Species	Met	hod	Evalu	ation	Note
Chronic toxi	icity on fi	ish LC ₅₀	No infori availa	mation i	No nformation available	No inform availab	ation i	No nforma ivailable		_
Chronic toxicity on crustacea (<i>Daphnia</i>)		EC ₅₀	No infori availa	mation i	No nformation available	No inform availab	ation i	No nforma available		-
Kno		redicted distribut	on in e	environmer	ntal compart	ments:				
		tion available								
	rface tens	sion:				Mothe		<u> </u>		
Sur No info	face tens	sion: °C No	No	oncentration information ilable		Metho formational		-	N	ote
No info ava	Value ormation ailable	sion: °C No information available / desorption	No	informatio	on No inf	ormatio		-	N	ote
No info	value ormation ailable sorption A/	or Sion: Or No information available	No ava	informatio	on No inf	ormation ole			N	ote
No info ava	value ormation ailable sorption A/	No information available / desorption D coefficient hry's constant information	No ava	information ilable og Kow	on No inf availab Evaporati	ormation ole on rate	n	hod	N ₁	
Sur No info ava Ad: Transport	value ormation hilable sorption A/ Her	occion: Occion No information available / desorption D coefficient ory's constant information ole information	No ava	information ilable og Kow nformation able	Evaporati No inform	ormation on rate	Met	hod mation	N ₁	



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12.6.	Endocrine disrupting properties					
	No known endocrine disrupting prop	erties that affect the environment.				
12.7.	Other adverse effects					
	No adverse effects are expected.					
SECTIO	N 13. Disposal considerations					
13.1.	Waste treatment methods					
13.1.1.	Product/Packaging disposal:					
	Submit for disposal to the legal per Protection.	son authorized by the Ministry of Environmental and Nature				
13.1.2.	Waste codes/waste designations ac	cording to Law:				
	No information available					
13.1.3.	Waste treatment – relevant informa	tion:				
	No information available					
13.1.4.	Sewage disposal – relevant informa					
	Waste must not be disposed of into	o the sewage system.				
13.1.5.	Other disposal recommendations:					
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.					
13.1.6.	Relevant Community provisions:					
	-					
SECTIO	N 14. Transport information					
	Transporting/shipment by road (ADR					
UN num	nber: No	t subject to transport regulations.				
UN prop	per shipping name: -					
Transpo	ort hazard class(es):					



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Packing group:		-	
Environmentally haz	ardous:	-	
Special precautions	for user:	-	
Transportin	ıg/shipment by r	ail (RID)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard cla	iss(es):	-	
Packing group:		-	
Environmentally haz	ardous:	-	
Special precautions	for user:	-	
Inland wate	erway transport (ADN)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard cla	ass(es):	-	
Packing group:		-	
Environmentally haz	ardous:	-	
Special precautions	for user:	-	
Transportin	g/shipment by s	sea (IMDG)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard cla	ass(es):	-	
Packing group:		-	
Environmentally haz	ardous:	-	
Special precautions	for user:	-	
Transportin	g/shipment by a	air (ICAO-TI/IATA-DGR)	
UN number:		Not subject to transport regulations.	
UN proper shipping	name:	-	
Transport hazard cla	ss(es):	-	
Packing group:		-	
Environmentally haz	ardous:	-	
Special precautions	for user	-	



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15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
	EU regulations			
	Authorization and/or restrictions of use			
	Authorizations:	-		
	Restrictions:	-		
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);		
	Information according 1999/13/EC about limitation of emissions of volatile organic compound guideline)			
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act		
15.2.	Chemical safety assessment			
	None			

SECTION 16. Other information			
16.1.	Indication of changes:	-	
		PBT	Stable, bioaccumulative and toxic
		vPvB	Strongly stable and strongly bioaccumulative.
16.2. Ak	Abbreviations and acronyms:	LD ₅₀	Lethal dose, 50%
		LC ₅₀	Lethal concentration, 50%
		STOT-SE	Specific target organ toxicity - single exposure
16.3.	Key literature references and source of data:	-	



SAFETY DATA SHEET

BIOGNOST® According to Regulation (EC) No. 1907/2006 amended by Regulation (EU) No. 2020/878

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Trading name:	BIO-DIFF 2 RTU REAGENT		
Product code:	BD2-RTU	Date of compilation: 14 November 2022	Version: 4

16.4.	.4. Classification and procedure used to derive the classification for mixture according to Regulation (EC)			
Classifi	cation	Classification procedure		
_		-		
16.5.	Relevant H statements (number and full text)			
	H: -	-		
16.6.	Training advice:	-		
16.7.	Further information:	** "X" in the product code marks different volumes (different packagings of the product) We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.		

ANNEX: Exposure scenario resulting to Chemical safety assessment