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Trading name:	CHROMOTROPE 2R / FAST GREEN F.C.F. REAGENT			
Product code:	CFG-OT-X**	Date of compilation: 21 Dec 2022	Version: 2	

1.1.	Product identifier					
•••••	Trading name:	CHROM	OTROPE 2R / F	AST GREEN F.C.F. REAGENT		
	Chemical name:	-				
	Catalogue number:	CFG-OT-	·X**			
1.2.	Relevant identified us	es of the su	ıbstance or miz	xture and uses advised against		
	Uses:		Green counte	erstain used with Gomori Trichrome kit.		
	Uses advised against:		Only the ider	ntified 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 safety data sheet					
	Supplier:		BioGnost Ltd.			
	Address:		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 [	Directorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 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 subst	ance.	-			
2.1.2.	Additional information					
	-					
*For fu	ll text of Hazard- and EU Hazard-sta	atements: see S	ection 16			
2.2.	Label elements					
	Product identification:	CHROMOTRO	DPE 2R / FAST GREEN F.C.F. REAGENT			
	Identification number: -					
	Authorization no.: -					
	Hazard pictograms:	-				



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	Signal word:	-		
	Hazard statements:	-		
	Precautionary statements:	-		
	Further information:	-		
2.3.	Other hazards			
	Endocrine Disrupting Propertie	es:		
	No known endocrine disrupting properties			
	<b>Results of PBT and vPvB assessment</b> : According to the results of its assessment, this substance is not PBT or a vPvB.			

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
_	-	-	Contains no hazardous substances	-	

SECTION	ECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	-			
	Following inhalation:	No information available			
	Following skin contact:	No information available			
	Following eye contact:	No information available			
	Following ingestion:	No information available			
	Self-protection of the first aider:	Treat symptomatically.			
4.2.	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	No information available			
	Following skin contact:	No information available			
	Following eye contact:	No information available			
	Following ingestion:	No information available			
4.3.	Indication of any immediate medi	cal attention and special treatment needed			
	-				

SECTI	SECTION 5 Firefighting measures			
5.1.	Extinguishing media			
	Suitable extinguishing media:	Small fire - water spray, dry powder, CO <sub>2</sub>		
	Suitable extiliguishing media.	Large fire - water spray or alcohol-resistant foam		



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	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	ON 6. Accidental release meas	ures		
6.1.	Personal precautions, protective equipment and emergency procedures			
6.1.1.	For non-emergency personne			
	Protective equipment:	Use personal protective equipment (see Section 8).		
	Accident prevention methods	Evacuate members of all non-essential personnel and those members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.		
	Emergency procedures:	Mark the area using proper signs.		
6.1.2.	For emergency responders:			
	Wear protective equipment (s	see Section 8).		
6.2.	Environmental precautions:			
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact Nation Protection and Rescue Directorate (NPRD) on 112.			
6.3.	Methods and material for cor	ntainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.		
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 sections			
	See Section 7 for information	about secure handling.		
	See Section 8 for information about personal protective equipment.			
	See Section 13 for information about containment.			



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SECTIO	ON 7. Handling and storage						
7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.					
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.					
	Measures to protect the environment: Other measures:	Prevent spilling into the sewage system and waterways.					
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 incompatibilities						
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.					
	Packaging materials:	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:	Do not place the unused material in the storage room and do not use empty containers for storing other chemicals. Do not store with incompatible materials (see Section 9).					
7.3.	Specific end use(s)						
	Recommendations:	-					
	Industrial sector specific solutions:	-					

SECTION 8. Exposure controls/personal protection								
8.1. Control parameters								
Substance	CAS No	Occupational exposure limit values/short term values		Biological limit values				
		ppm	mg/m³					
-	-	-	-	No information available				
Substance - name:								



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					•				:	
EC No:	-		CAS No:	-						
DNEL										
					Inc	dustrial				
Route of		A	Acute		Acute	е		Chronic	Chro	nic
exposure: effect local			(	effect sys	temic		effect local	effect sy	stemic	
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
Critical phy	sical par	ameters: s	olubility, fla	ammal	bility, cor	rosivity:	-	-		
					Coi	nsumer				
Route of		P	Acute		Acut	е		Chronic	Chro	nic
exposure:		effe	ect local	(	effect sys	temic		effect local	effect sy	stemic
Oral		-		-			-		-	
Inhalation		-		-			-		-	
Dermal		-		-			-		-	
PNEC										
Environmer	ntal prot	ection tar	get			PNEC				
Fresh water	•					No information available				
Freshwater	sedimer	its			No information available					
Marine wat	er				No information available					
Marine sed	iments				No information available					
Food chain						No information available				
Microorgan	nisms in s	sewage tr	eatment			No information available				
Soil (agricu	ltural)					No information available				
Air					No information available					
						•				
8.2.	Exposu	re contro	ls							
8.2.1.	Approp	oriate eng	ineering co	ntrols						
	Substa	nce/mixtu	re related		Use the product in well ventilated rooms. Use personal protective					rotoctivo
	measures to prevent exposure				•		drink or smoke in th		Otective	
	ļ	identified						_	1	
	Structu exposu		ires to prev	ent	No info	rmation ava	ilable			
		sational m t exposur	neasures to e:		Organization of work in order to reduce other worker's influence during work process.					fluence
		cal measu	res to preve	ent	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.					



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8.2.2.	Personal protection equi	pment				
8.2.2.1.	Eye and face protection:		Safety glasses that stick to face (preventing splashing) (EN 166) or visor.			
8.2.2.2.	Skin protection					
			ctive gloves must be according to the EU Directive 2016/425/EEC and ard EN 374.			
	Hand protection:		Glove material: nitrile rubber			
			Glove thickness: ≥0.50 mm			
			Break through time: >480 min			
	Other skin protection:	n: Wear antistatic clothing made of natural fibers (such as cotto sleeves (EN 13034), and shoes that cover the entire foot (EN				
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 in	formation available			
8.2.3.	Environmental exposure	controls				
	Substance/mixture related measures to prevent exposure:		See Section 6			
	Structural measures to prevent exposure:		Use modern equipment.			
	Organisational measures prevent exposure:	to	Adapt the work process to the required working conditions of the workplace.			
	Technical measures to prevent exposure:		See Section 6			

9.1.	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	liquid	No information available			
	Colour:	green	No information available			
	Odour/odour threshold:	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			



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	Decomposition temperature:	No information available	No information available
	рН:	No information available	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
).2.	Other information		
	-		

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. Toxico	ological information							
11.1. Information	n on toxicological effec	ets						
Acute toxic	ity:							
Route of exposure:	Method	Species	Effective dose LD <sub>50</sub> /LC <sub>50</sub> or ATE <sub>mixture</sub>	Exposure time	Results			
Oral exposure:	No information available	-	LD <sub>50</sub>	-	-			
Dermal exposure:	No information available	-	LD <sub>50</sub>	-	-			
Inhalation exposure:	No information available	-	LC <sub>50</sub>	-	-			
Specific tar	get organ toxicity – sir	ngle exposure (S	TOT SE):					
	Specific e	ffects	Target organ	n	Note			



Subacute

inhalation

Subchronic oral

No information

No information

available

available

information

information

available

available

No

information

information

available

available

No

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Oral exposure:	No informa	ation available	No infor	mation availab	ole -	
Dermal exposure	e: No informa	ation available	No infor	mation availab	ole -	
Inhalation expos		ation available	No infor	mation availab	ole -	
Respira	tory irritation:	N	o information a	vailable		
Irritatio	n and corrosion				1	
	Exposure tim	ie Speci	ies Eva	aluation	Method	Note
Skin irritation:	-	-	-			
Eye irritation:	-	-	-			
i						
Sensitiz	ation					
Dermal exposure	e: No information	available				
Inhalation exposure:	No information	available				
•						
Sympto	ms related to the pl	nysical, chemic	al and toxicolog	jical characteri	stics	
Oral exposure:	No information	available				
Dermal exposure	e: No information	available				
Inhalation exposure:	No information	available				
Eye exposure:	No information	available				
Repeate	ed dose toxicity (sub	acute, subchro	onic, chronic)			
	Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral	No information available	No information available	No information available	No informatio n available	No informatic	on -
Subacute dermal	No information available	No information available	No information available	No informatio n available	No informatic	on -
Subacute	No information	No	No	No	No informatio	nn e

No information

No information

available

available

informatio

n available

informatio

n available

No



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Subchronic dermal	No availa	information able	No information available		rmation lable	No informatio n available	No infor		-
Subchronic inhalation	No availa	information able	No information available	information informatio		No informatio n available	No infor		-
Chronic oral	No availa	information able	No information available		rmation lable	No informatio n available	No infor available		-
Chronic derm	al No availa	information able	No information available		rmation lable	No informatio n available	No infor available		-
Chronic inhalation	No information available		No information available		rmation lable	No informatio n available	No infor available		-
Spec	ific target		y – repeated e	xposu					
•			cific effects			Target organ			Note
Subacute oral No information								-	
Subacute dermal No informat						nation availab		-	
Subacute inha			ition available			nation availab		-	
Subchronic o			ition available			nation availab		-	
Subchronic d			tion available			nation availab		-	
Subchronic in	nalation		tion available		No information available  No information available			-	
Chronic oral			tion available		No information available		-		
Chronic inhal			tion available		No information available		-		
Chronic innai	auon	NO INIOIMA	ition available		NO IIIIOII	nation availab	ile	-	
CMR	effects (c	arcinogenicit	y, mutagenicity	, repr	oductive t	oxicity)			
Carc	inogenicit	y:	No info	rmatio	on availabl	e			
	agenicity i	-	No info	o information available					
Gend	otoxicity:		No info	rmatio	on availabl	е			
Muta	agenicity i	n-vivo:	No info	rmatio	on availabl	е			
Gern	n cell muta	agenicity:	No info	rmatio	on availabl	e			
_	Reproductive toxicity:		No info	No information available					



**SECTION 12. Ecological information** 

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11.2	Information on other hazards:
11.2.1.	Endocrine disrupting properties:
	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2.	Other information:

	9 -					
12.1. Toxicity						
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC <sub>50</sub>	8 days	No information available	No information available	-	-
Microorganisms	LC <sub>50</sub>	72 hours	-	-	_	-
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Tieb.	1.6	O6 hours	No information	No	_	

Microorganisms	LC50	72 Hours	_	_	_	_
Chronic toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	-	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	-	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	-	-
Other organisms	-	-	-	-	-	-

#### 12.2. Persistence and degradability



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Abio	tic de	egradation	າ								
		Degradation		/es		Method			Evaluation	1	Note
Marine water	No	informati	ion availa	ble	No information available			No information available		ilable	-
Fresh water	No	informati	ion availa	ble	No info	No information available		No inform	nation ava	ilable	-
Air	No	informati	ion availa	ble	No info	rmation availab	ole	No inform	nation ava	ilable	-
Soil	No	informati	ion availa	ble	No info	rmation availab	ole	No inform	nation ava	ilable	-
Biode	egrad	dation									
% Degradation	on	Time	e (days)		M	lethod		Evaluatio	n	N	ote
No information No information vailable available		ion	No inforn available	nation		o informatio railable		lo informa vailable	ition		
Partit	tion o		:: n-octan	ol/w	ater (log Ko	-					
Value	Со	ncentratio		ЭН	°C	Method		Evalua			Note
_	No avail	informa able	tion -		i _ i	No informatior available	1	No inform available	nation	-	
Bioco	oncer	ntration fa	ictor (BCF	·)							
Value		S	pecies		M	1ethod		Evaluat	ion		Note
No informatic available	n	No available	informa e	tion			No information available		No information available		
Chro	nic c	cotoxicity									
Valu		COLOXICITY	Dose	E	Exposure time	Species		Method	Evalu	ation	Note
Chronic toxici	ty on	n fish	LC <sub>50</sub>			No information available	1	o formation railable	No infor		-



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Produc	t code:	CFG	G-OT-X**	Date	e of cor	npilatio	on: 21 De	c 2022	Version:	2
	toxicity o		EC <sub>50</sub>	No information available	No inform availab	1	No information available	No informa	ation _	
10.1										
12.4.	Mobility									
		···········	available	ion in environn	nental co	omparti	ments:			
	Valu	tension:	°C	Concenti	ration		Method		No	+0
	No informa available	tion a	No informat available	No	ation No information					ie
	Adsorpt	ion / de	sorption							
Transpo	port A/D coefficient Henry's constant		log Ko	log Kow Evaporati		ation rate	Method	N	lote	
Soil-wa <sup>,</sup>	ter No	Henry's constant		No informa on availabl	ava	inform ailable	ation	No information available	-	
Water-a	air No	informa	ation availabl	No informa on availabl	ava	No information available		No information available	-	
Soil-air	No	informa	ation availabl	No informa on availabl	ava	inform ailable	ation	No information available	-	
12.5	D !:	- f DDT								
12.5.	The sub	stance/r	ACH Article 5	not contain co 7(f) or Commis levels of 0.1% o	sion De	legated				
12.6.	Endoor	مم طاعت	oting propert	ioc						

Regulation (EU) 2018/605 at levels of 0.1% or higher.



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12.7. Ot	ther adverse effects	
12.7. Ot	her adverse ettects	
No	o information available	
SECTION 1	3. Disposal considerations	
13.1.	Waste treatment methods	
:		
13.1.1. F	Product/Packaging disposal:	
	Submit for disposal to the legal Protection.	person authorized by the Ministry of Environmental and Nature
13.1.2.	Waste codes/waste designation	s according to Law:
1	No information available	
13.1.3. \	Waste treatment – relevant info	rmation:
١	No information available	
<u> </u>		
13.1.4.	Sewage disposal – relevant info	rmation:
\	Waste must not be disposed of	into the sewage system.
,		
13.1.5.	Other disposal recommendation	ns:
t	authorized by the ministry in ch	remains into the sewage system. Submit the remains to the collectors arge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge. Do not dispose of in places where
13.1.6. F	Relevant Community provisions	:
-	-	
i		
SECTION 1	4. Transport information	
Tra	ansporting/shipment by road (A	ADR)
UN numbe	r:	Not subject to transport regulations.
UN proper	shipping name:	-
	nazard class(es):	-
Packing gro		-
	ntally hazardous:	-
	cautions for user:	-



#### **SAFETY DATA SHEET**

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UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	
Inland waterway transport	(ADN)	
UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	
Transporting/shipment by	sea (IMDG)	
UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	
Transporting/shipment by	air (ICAO-TI/IATA-DGR)	
UN number:	Not subject to transport regulations.	
UN proper shipping name:	-	
Transport hazard class(es):	-	
Packing group:	-	
Environmentally hazardous:	-	
Special precautions for user:	-	

SECTION 15. Regulatory information		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EU regulations	
	Authorization and/or restrictions of use	



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	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 compounds (VOC-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		

SECTIO	SECTION 16. Other information			
16.1.	Indication of changes:	-		
16.2.	Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  IMDG: International Maritime Code for Dangerous Goods  IATA: International Air Transport Association  GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances  CAS: Chemical Abstracts Service (division of the American Chemical Society)  DNEL: Derived No-Effect Level (UK REACH)  LC50: Lethal concentration, 50 percent  LD50: Lethal dose, 50 percent  PBT: Persistent, Bioaccumulative and Toxic  vPvB: very Persistent and very Bioaccumulative		



#### **SAFETY DATA SHEET**

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

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Trading name:	CHROMOTROPE 2R / FAST GREEN F.C.F. REAGENT		ENT	
Product code:	CFG-OT-X**	Date of compilation:	21 Dec 2022	Version: 2

16.3.	Key literature references and source of data:	-	
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		
Classifi	assification Classification procedure		
-		-	
16.5.	Relevant H statements (number and full text)		
	H; -	-	
16.6.	Training advice:	-	
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	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** 

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