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Trading name:	GRAM DECOLORIZER SOLUTION 2				
Product code:	GD2-OT-X**	Revision date:	23 Dec 2022	Version:	5

SECTI	ION 1: Identification of the substance/mixture and of the company/undertaking Product identifier					
1.1						
	Trading name:	GRAM DECOLORIZER SOLUTION 2				
	Chemical name:					
	Catalogue number:	GD2-OT-X**				
1.2	Relevant identified us	es of the subs	tance or n	nixture and uses advised against		
	Uses:		For use	in Gram bacterial staining.		
	Uses advised against:		Only the	e identified 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	Details of the supplier of the safety data sheet				
	Supplier:	Supplier:		BioGnost Ltd.		
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	Emergency telephone number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		
	Other information:			-		

SECTIO	SECTION 2. Hazards identification				
2.1	Classification of the substance o	mixture			
2.1.1	Classification according to Regu	tion (EC) No 1272/2008 (CLP)			
	Hazard class and catego	v code: Hazard statements*:			
	Flam. Liq. 2	H225			
	Eye Irrit. 2	H319			
	STOT SE 3	H336			
		EUH066			
2.1.2.	Additional information				
	-				
*For fu	ll text of Hazard- and EU Hazard-s	atements: see SECTION 16			
2.2	Label elements				
	Product identification:	GRAM DECOLORIZER SOLUTION 2			



GD2-OT-X**

Trading name:

Product code:

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

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Identific	ation number: -	
	ation number: -	
Hazard p	pictograms: Gl	HS02 GHS07
Signal w	ord: Da	anger
Hazard s	itatements: Hi	 Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness. JH066 Repeated exposure may cause skin dryness or cracking.
Precauti	onary statements: pr P3 m	 Keep away from heat/sparks/open flames/hot surfaces. Do not noke. Wear protective gloves/protective clothing/eye/protection/face rotection. B05+P351+P338 IF IN EYES: Rinse cautiously with water for several inutes. Remove contact lenses, if present and easy to do. Continue nsing.
	ion (EU):	
2.3 Other ha		
The proc	luct has no other known s	pecific hazards for human or environment.
	of PBT and vPvB assessmer PvB substances.	nt: Based on available data, the product does not contain any
Endocrir	ne disrupting property: Bas	sed on available data, does not contain endocrine disruptors.

SECTION 3. Co	SECTION 3. Composition/information on ingredients							
CAS/ EC/ Index number	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)				
64-17-5/ 200-578-6/ 603-002-00-5	01-2119457610-43- 0147	40 – 60 %	ethanol	Flam. Liq. 2; H225				
67-64-1/ 200-662-2/ 606-001-00-8	-	50 - 70 %	acetone	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336				

SECTION 4. First aid measures



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4.1	Description of first aid measures				
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.			
	Following inhalation:	Take the victim into fresh air, loosen his clothes and place him in a comfortable position. If breathing difficulty occurs, administer artificial respiration. In case of complaints call a physician.			
	Following skin contact:	Remove the contaminated clothes. Wash the skin surface under plenty of running water. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 10 minutes). If the symptoms remain, immediately call in ophthalmologist.			
	Following ingestion:	Place the victim in a comfortable position. Rinse the mouth with clean water. If the victim is conscious induce vomiting.Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious or suffers from convulsions.			
	Self-protection of the first aider:	-			
4.2	Most important symptoms and effects, both acute and delayed				
	Following inhalation:	Depending on concentration and exposure time, it may lead to mucosa irritation, cough, and dyspnea.			
	Following skin contact:	Defatting, dry skin.			
	Following eye contact:	Depending on concentration and exposure time, it may lead to irritation, tearing, redness and pain.			
	Following ingestion:	Depending on concentration and exposure time, it may lead to stinging and digestive mucus damage, abdominal pain, nausea, vomiting.			
4.3	Indication of any immediate medi	cal attention and special treatment needed			
	-				

SECTI	ECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media: Dry powder, alcohol-resistant foam, water spray, carbon-dioxide.				
	Unsuitable extinguishing media: No information available.				
5.2	Special hazards arising from the substance or mixture				
	Hazardous combustion products: No information available.				
5.3	Advice for firefighters				
	Wear full protective clothing and self-contained breathing apparatus. Cool the fire affected containers with water spray. Use water spray to dissipate alcohol vapors.				
5.4	Additional information				



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6.1	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personne	۶I			
	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.			
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Avoid contact with skin, eyes and clothing and inhaling gases, vapors and aerosols. Ensure adequ ventilation. Vapors may accumulate at floor level in low and confined spaces. Remove all heat, ig and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger spark-proof tools. Be aware of the risk of slipping.				
6.2	Environmental precautions:				
	e resulting waste according to the applicable environmental regulations. Do e resulting waste to enter sewers/soil/surface or ground water. Notify the rdance with local law in the case of environmental pollution immediately.				
6.3	Methods and material for con	ntainment and cleaning up			
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			
6.3.2.	Cleaning up:	Collect the spilled product with inert, non-combustible absorbent (e.g. sand, vermiculite, earth) then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. During the collection, placement, disposal of the waste, wear appropriate individual protective equipment. Flush the remains with plenty of water. The product loses its flammability, if diluted with significant amount of water (approx. 10% solution).			
6.3.3.	Other information:	Secure proper ventilation. Do not use incompatible materials (see Section 10).			
	Reference to other sections				
6.4	See Section 7 for information on safe handling.				
6.4	See Section 7 for information	on safe handling.			
6.4		on personal protection equipment.			

SECTIO	SECTION 7. Handling and storage				
7.1	Precautions for safe handling				
7.1.1.	Protection measures				



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	Measures	s to prevent fire:			away from heat, h flames and othe	ted storage rooms. ot surfaces, sparks, r ignition sources on-sparkling tools	open 5. No
	Measures	to prevent aerosol and	d dust generatio	n:	Ensure adequate v	entilation.	
	Measures	to protect the environ	ment:		Prevent spilling int and waterways.	to the sewage system	m
	Other me	asures:			Protect against ele	ectrostatic charges.	
7.1.2.	Advice or	n general occupational	hygiene:				
	Do not eat, drink or smoke in the workspace. Thoroughly wash hands after work and before e				and before eating.		
7.2	Conditions for safe storage, including any incompatibilities						
	Technical	measures and storage	conditions:	Store in a well-ventilated place, protected from sunlight, away from sources of heat and ignition, in its original, unopened and hermetically sealed packaging, away from oxidizing agents, food, feed and articles of consumption.			
	Packaging	g materials:		Manufa	cturer's original packag	ging.	
	Requirem	ents for storage rooms	and vessels:	Keep av tightly c	vay from food and drin losed.	k. Keep the contain	ers
	Advices fo	or storage equipment:	ment: The storage must be made of hard ma be resistant to chemicals. There must directly leads into sewage system ventilation.		re must be no drair	n that	
	Further in	Further information on storage conditions:		Do not place the unused material in the storage roo and do not use empty containers for storing oth chemicals. Do not store with incompatible materials (s Section 10).		other	
7.3	Specific e	end use(s)					
	Recomme	endations:		-			
	Industrial	sector specific solution	าร:	-			

SECTION 8. Exposure controls/personal protection								
8.1	Control parameters	Control parameters						
Substance		CAS No	Occupational exposure limit values/short term values		Biological limit values			
			ppm	mg/m ³				
Ethanol		64-17-5	1000/-	1900/-	-			
Aceton	e	67-64-1	500/-	1210/-				



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Substance name:	-					

Substance name:						
EC No:	- CAS	No: -				
DNEL						
		In	dustrial			
Route of	Acute	Acute	Chronic	Chronic		
exposure:	effect local	effect system	ic effect local	effect systemic		
Oral	-	-	-	-		
Inhalation	1900 mg/m ³	_	_	380 mg/m ³ (ethanol)		
Innalation	(ethanol)			1210 mg/m ³ (acetone)		
Dermal	_	_	_	343 mg/kg (ethanol)		
				186 mg/kg (acetone)		
Critical physical p	parameters: solubili	ty, flammability, co	rrosivity: -			
		Co	onsumer			
Route of	Acute	Acute	Chronic	Chronic		
exposure:	effect local	effect system	ic effect local	effect systemic		
Oral	-	-	-	87 mg/kg bw/day (ethanol)		
Inhalation	950 mg/m ³	_	_	114 mg/m ³ (ethanol)		
	(ethanol)			200 mg/m ³ (acetone)		
Dermal	-	-	-	206 mg/kg (ethanol)		
				62 mg/kg (acetone)		
PNEC						
Environmental pr	otection target		PNEC			
Fresh water			0.96 mg/l (ethanol)			
			10.6 mg/l (acetone)			
Freshwater sedim	nents		3.6 mg/kg (ethanol)			
			30.4 mg/kg (acetone)			
Marine water			0.79 mg/l (ethanol)			
			1.06 mg/kg (acetone)			
Marine sediment	s		2.9 mg/kg (ethanol)			
			3.04 mg/kg (acetone)			
Food chain			380-720 mg/kg (ethanol)			
Microorganisms	in sewage treatmer	nt	580 mg/l (ethanol)			
			100 mg/l (acetone)			
Soil (agricultural)			0.63 mg/kg (ethanol)			
			33.3 mg/kg (acetone)			
Air			no information available			



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8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measure prevent exposure during identified		In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.		
	Structural measures to prevent exposure:		In accordance with Section 7.		
	Organisational measures to preven exposure:	nt	Organization of work in order to reduce other worker's influence during work process.		
	Technical measures to prevent exposure:		In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Use according to general application methods and with adequate ventilation. Use non-sparkling ventilation system. Provide appropriate personal protective equipment, safety shower and eye-wash station.		
8.2.2.	Personal protection equipment				
8.2.2.1.	Eye and face protection:		propriate, chemical-proof protective glasses/face shield (EN 321-1:2022, EN 166).		
8.2.2.2.	Skin protection				
	Hand protection: Use ap		propriate, chemical-resistant protective gloves (EN 374).		
	Other skin protection:	Use ap	appropriate protective clothing.		
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If htration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short t and if the oxygen content of the air is greater than 18 %, use ective gas mask with filter A (EN 14837/A1).		
8.2.2.4.	Thermal hazards:	No the	rmal hazards known.		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See Se	Section 6		
	Structural measures to prevent exposure:	Use mo	odern equipment.		
	Organisational measures to prevent exposure:	Adapt workpl	the work process to the required working conditions of the ace.		
	Technical measures to prevent exposure:	See Se	ction 6		



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Information on basic physical and chemical properties						
	Value	Method				
Physical state:	liquid	No information available				
Colour:	colourless	No information available				
Odour/odour threshold:	acetone like/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				
Lover and upper explosion limit:	No information available	No information available				
Flash point:	20 °C	No information available				
Auto-ignition temperature:	No information available	No information available				
Decomposition temperature:	No information available	No information available				
pH:	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				

SECTIO	SECTION 10. Stability and reactivity				
10.1	Reactivity:	See Section 10.5.			
10.2	Chemical stability:	Stable within normal temperature and general work conditions.			
10.3	Possibility of hazardous reactions:	See Section 10.5.			
10.4	Conditions to avoid:	Keep away from heat, sparks, open flames, strong heating and ignition sources. No smoking.			
10.5	Incompatible materials:	Strong oxidizing agents (inorganic strong acid, nitric acid, perchlorates, peroxy compounds, perchloric acid, permanganates etc.), alkali metals, alkali earth metals.			
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide.			



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	oxicological info		die Desudation (FC) NI- 1272/2	000		
	ation on hazard c	lasses as defined	a in Regulation (EC) NO 1272/2	.008		
Route of exposure:	toxicity: Method	Species	Dose LD ₅₀ ATE		Exposure ti	me Results	
Oral:	-	rat	LD	50	-	7.060 mg/kg (ethanol) 5.800 mg/kg (acetone)	
Dermal:	_	rabbit	LD	50	-	>20.000 mg/l (ethanol) 20.000 mg/kg (acetone)	
Inhalation:	-	rat	LC	50	4 h	>8.000 mg/l (ethanol) 76 mg/l (acetone)	
:							
Specifi	c target organ tox	cicity – single ex	posure (STOT SE):			
	SI	pecific effects		Target orga	in	Note	
Oral:	No informat	ion available	No information available			-	
Dermal:	No informat	ion available	No information available			-	
Inhalation:	Narcotic effe	ects				May cause drowsiness or dizziness.	
Aspirat	ion hazard:		No information	available.			
Invitatio	on and corrosion						
IIIIduic		sure time	Species	Evaluation	Method	Note	
Skin corrosion/irritat	_		-	-	-	-	
Serious eye damage/irritation			-	-	-	-	
Sensiti	zation						
Skin sensitizatio		information ava	ailable.				
Respiratory sens		information ava					



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Sumpto	me related to the pl	aveical chamic	al and taxicalas	nical characterist	icc	
Symptoms related to the physical, chemical and toxicological characteristics Oral exposure: Absorption of great quantities may cause dizziness, drunkenne unconsciousness and alcohol poisoning. In case of swallowing great quantit vomiting may occur. Repeated or prolonged exposure may lead to liver ci						nausea and
Dermal exposure: After prolonged or repeated exposure symptoms may include: defatting, dryn cracking of skin.						
Inhalation expos	ure: Inhalation of membranes.	great quantitie	es may cause diz	zziness, euphoria	and mild irritation	of the mucous
Eye exposure:	May cause ir	ritation and re	dness.			
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 information available	No information available	-
Subacute dermal	No information available	No information available	No information available	No information available	No information available	-
Subacute inhalation	No information available	No information available	No information available	No information available	No information available	-
Subchronic oral	No information available	No information available	No information available	No information available	No information available	-
Subchronic dermal	No information available	No information available	No information available	No information available	No information available	-
Subchronic inhalation	No information available	No information available	No information available	No information available	No information available	-
Chronic oral	No information available	No information available	No information available	No information available	No information available	-
Chronic dermal	No information available	No information available	No information available	No information available	No information available	-
Chronic inhalation	No information available	No information available	No information available	No information available	No information available	-



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	specific target	organ toxicity – repeated e Specific effe	-		Note
Culture	t	•		Target organ	note
Subacu		No information available		No information available	-
	te dermal	No information available		No information available	-
	te inhalation	No information available		No information available	-
	onic oral	No information available		No information available	-
	onic dermal	No information available		No information available	-
	onic inhalation	No information available		No information available	-
Chronic		No information available		No information available	-
	dermal	No information available		No information available	-
Chronic	: inhalation	No information available		No information available	-
	Mutagenicity in Germ cell muta Reproductive t Summary of properties:	agenicity:	Based on ava Based on ava	ilable data, the classification c ilable data, the classification c ilable data, the classification c n available data, the classifica	riteria are not met. riteria are not met.
11.2	Information or	other hazards:			
11.2.1.	The substance components c disrupting pro Article 57(f) regulation (EU	upting properties: e/mixture does not cont onsidered to have endocr operties according to REA or Commission Delegar) 2017/2100 or Commiss) 2018/605 at levels of 0.1%	ine CH ted ion		
11.2.2.	Other informat	tions:			



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12.1 Toxicity	y						
Acute (short-ter toxicity	rm)	Dose	Exposur time	e Species	Method	Evaluation	Note
Fish		LC ₅₀	96 hours	golden orf	No information available	8.140 mg/l /48 h (ethanol) 6.210 mg/l (acetone)	-
Crustacea:		EC ₅₀	48 hours	daphnia magna	No information available	7.800 mg/l (ethanol) 8.800 mg/l (acetone)	-
Algae/aquatic p	olants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol) 530 mg/l (acetone)	-
Other organism	IS	-	-	-	-	-	-
Chronic (long-to toxicity	erm)	Dose	Exposur time	e Species	Method	Evaluation	Note
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 p	olants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organism	IS	-	-	-	-	-	-
		nd degradab	oility				
Abiotic			lf lives	Method	Evaluatio	n N	loto
		gradation ha		Nethod No information	Evaluatio No informatio		lote
Marine water	No ir	nformation a	vailable	available	available	-	
Fresh water	resh water No information available		vailable	No information available	No informatio available	n _	
Air	No ir	nformation a	vailable	No information available	No informatio available	n _	
Soil	No ir	nformation a	vailable	No information available	No informatio available	n _	



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	Biodegra	dation								
% De	gradation		e (days)	Ν	lethod	Evaluatio	n		Note
No info availabl		No available	inforn	nation			No information available		No information available	
12.3	Bioaccum	ulative poter	ntial							
		water partitio		icient (-)				
Va	lue (Concentratio	n p	<u>H</u>	°C	Method	Evalu	ation		Note
-	-	-	-		-	-	-		-	
		ntration facto								
V	alue		ecies			Method	Evaluati			Note
-		No available	inform	ation	No info availab	ormation lle	No informati available	on	-	
					avandb					
							1			
	Chronic e	cotoxicity								
				Exp	osure	C 1	N 4 - 11 1			
	Value		Dose		ime	Species	Method	Evalu	uation	Note
сі ·		<i>c</i>		No		No	No	No		
Chronic	toxicity or	n fish LC	50	infor availa	mation able	information available	information available	inform availal		-
	_			No		No	No	No		
	toxicity or ea (<i>Daphni</i>	; F(50	infor	mation	information	information	inform		-
		~,		availa	able	available	available	availal	ble	
12.4	Mobility i	n coil								
12.4			ctribut	on in c	nvirone	nental compar	tments:			
		nation availal		on in e						
	Surface te		JIE							
	Sunate lt									



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	No informa availabl		No information available		No information available available		n	-				
	Adsorpt	ion / (desorption									
Transpo	ort	-	A/D coefficient Henry's constant		Kow	Εv	aporatior	n rate	Meth	nod	Note	
Soil-wa	ter	No avail	information able	ation No information available			o informa [.] ailable	tion	No inforn available	nation	-	
Water-a	air	No avail	o information No informa ailable available				o informa [.] ailable	tion	No inforn available	nation	-	
Soil-air		NoinformationNo informationNo informationavailableavailableavailableavailable				nation	-					
12.5			Г and vPvB asses									
			e/mixture conta very persistent									e and
12.6.			rupting properti									
	accordi	ng to l	e/mixture does r REACH Article 5 ⁻ U) 2018/605 at l	7(f) or Co	mmissior	n De	elegated r					
	•											
12.7.	Other a	dverse	e effects									
	Do not	let the	e product or its r	esidues r	each sew	er sy	ystem, wa	iterwa	ys and soil.			
SECTIO	ON 13. Di	sposa	l consideration	S								
13.1	Waste	e treat	ment methods									
13.1.1.	Produ	ct/Pag	ckaging disposal	l:								
		it for o	disposal to the le		on authoi	rizeo	d by the N	Ministr	y of Enviroi	nmental	and Nature	
13.1.2.	Waste	e code	s/waste designa	ations acc	ording to	Lav	N:					
	Packa	ging t	hat contains res	idual haz	ardous su	ıbst	ances or	is cont	aminated v	vith haza	ardous substan	ices



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13.1.3.	Waste treatment – releva	ant information:
	No information available	
13.1.4.	Sewage disposal – releva	int information:
	Waste must not be dispo	osed of into the sewage system.
13.1.5.	Other disposal recomme	
	authorized by the minist	roduct's remains into the sewage system. Submit the remains to the collectors ry in charge. Do not dispose of the packaging into the sewage system. Submit llectors authorized by the ministry in charge. Unused product residues may be
13.1.6.	Relevant Community pro	visions:
	Disposal must be made a	according to official regulations.
SECTIO	N 14 TRANSPORT INFORM	IATION
	Transporting/shipment by	road (ADR)
UN num	ıber:	1170
UN prop	per shipping name:	Ethanol solution
Transpo	rt hazard class(es):	3
Packing	group:	II
Environ	mentally hazardous:	-
Special	precautions for user:	-
	Transporting/shipment by	rail (RID)
UN num	ıber:	1170
UN prop	per shipping name:	Ethanol solution
Transpo	rt hazard class(es):	3
Packing	group:	II
Environ	mentally hazardous:	-
Special	precautions for user:	-
	Inland waterway transport	(ADN)
UN num	ıber:	1170
UN prop	per shipping name:	Ethanol solution
Transpo	rt hazard class(es):	3
Packing	group:	II
Environ	mentally hazardous:	-
Special	precautions for user:	-



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Trading name:		GRAM DECOLORIZER SOLUTION 2					
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Transporting/shipment by sea (IN	MDG)
UN number:	1170
UN proper shipping name:	Ethanol solution
Transport hazard class(es):	3
Packing group:	11
Environmentally hazardous:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	-
Transporting/shipment by air (IC	AO-TI/IATA-DGR)
UN number:	1170
UN number: UN proper shipping name:	1170 Ethanol solution
UN proper shipping name:	Ethanol solution
UN proper shipping name: Transport hazard class(es):	Ethanol solution 3
UN proper shipping name: Transport hazard class(es): Packing group:	Ethanol solution 3 II
UN proper shipping name: Transport hazard class(es): Packing group: Environmentally hazardous:	Ethanol solution 3 II -

SECTIO	ON 15. Regulatory info	rmation					
15.1	Safety, health and env	fety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations						
	Authorization and/or	restrictions of use					
	Authorizations:	-					
	Restrictions:	-					



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Trading name: Product code: GD2-C			GRAM DECOLORIZER SOLUTION 2						
		GD2-OT-X**	Revision date:	23 Dec 2022	Version:	5			
	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 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; COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).						
	dangerous substances, mixtures and articles (Annex XVII); Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC- guideline)								
		, legislation:	Chemicals Act, Regulation o dangerous substances, Ordi and on biological limit value classification of waste with a Ordinance on writing Materi Substances Act	nance on occupational s, Regulation on catego waste catalog and list	exposure limit valu ories, types and of hazardous waste	es e,			
15.2	Chemical safety assessment								
	None								

SECTION 16. Other information						
16.1 Indicatio	n of changes: -					



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Trading name:		GRAM DECOLORIZER SOLUTION 2						
Product code:		GD2-OT-X**	Revision date:	23 Dec 2022	Version: 5			
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 					
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)							
Classification			Classification procedure					
_			-					
16.5.	Relevant H statements (number and full text)							
		225	Highly flammable liquid and vapor.					
		319	Causes serious eye irritation.					
		336	May cause drowsiness or dia					
		(EUH066)	Repeated exposure may cau	se skin dryness or crac	king.			
16.6.	Training	Training advice: -						
16.7.	t Further information: \ i		** "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