

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

Page 1 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3		
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

1.1	Product identifier					
	Trading name:	GRAM DEC	OLORIZER	R SOLUTION 3		
	Chemical name:	-	-			
	Catalogue number:	GD3-OT-X*	*			
1.2	Relevant identified use	Relevant identified uses of the substar		nixture and uses advised against		
	Uses:		Solution	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:		BioGnost Ltd.			
	Address:		Medjugorska 59, Zagreb			
	Telephone number:		+385 1 2409997			
	Telefax.:		+385 1 2404039			
	e-mail of competent p	erson:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection ar	nd Rescue Dire	ectorate:	112		
	Medical information:			+385 1 2348 342		

SECTIO	ON 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*:	
	Flam. Liq. 2	H225	
	Eye Irrit. 2	H319	
	STOT SE 3	H336	
		EUH066	
2.1.2.	Additional information		
	-		
*For fu	ıll text of Hazard- and EU Hazard-statement	s: see SECTION 16	
2.2	Label elements		
	Product identification: GRAM D	ECOLORIZER SOLUTION 3	



Page 2 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3	_	
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

	Identification number:	-			
	Authorization number:	-			
	Hazard pictograms:	GHS02 GHS07			
	Signal word:	Danger			
	Hazard statements:	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking. P210 Keep away from heat/sparks/open flames/hot surfaces. Do not			
	Precautionary statements:	smoke. P280 Wear protective gloves/protective clothing/eye/protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
	Supplemetal hazard information (EU):	-			
2.3	Other hazards				
	The product has no other know	vn specific hazards for human or environment.			
	Results of PBT and vPvB assess PBT or vPvB substances.	Results of PBT and vPvB assessment: Based on available data, the product does not contain any PBT or vPvB substances.			
	Endocrine disrupting property:	Based 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	15 – 25 %	ethanol	Flam. Liq. 2; H225	
67-64-1/ 200-662-2/ 606-001-00-8	-	70 - 90 %	acetone	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	

SECTION 4. First aid measures



Page 3 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3	_	
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

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	ION 5. Firefighting measures				
5.1	Extinguishing media	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 water spray. Use water spray to dissipation	f-contained breathing apparatus. Cool the fire affected containers with pate alcohol vapors.			
5.4	Additional information				



Page 4 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3		
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

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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.		
	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 adequate ventilation. Vapors may accumulate at floor level in low and confined spaces. Remove all heat, ignition and spark sources, turn off machines. Ignition spark arrestor must not be operated in the danger area. Use spark-proof tools. Be aware of the risk of slipping.			
6.2	2 Environmental precautions:			
	Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.			
6.3	Methods and material for con	tainment and cleaning up		
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.		
6.3.2.	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. Cleaning up: 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, 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).			
6.4	Reference to other sections			
	See Section 7 for information	on safe handling.		
	See Section 8 for information on personal protection equipment.			
	See Section 13 for disposal in			

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



Page 5 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3	•	
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparkling tools and equipment.		
	Measures to prevent aerosol and dust generatio	n:	Ensure adequate ventilation.		
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.		
	Other measures:		Protect against electrostatic charges.		
7.1.2.	Advice on general occupational hygiene:				
	Do not eat, drink or smoke in the workspace. The	oroughly was	sh hands after work and before eating.		
7.2 Conditions for safe storage, including any incompatibilities					
	Technical measures and storage conditions:	away from unopened	well-ventilated place, protected from sunlight, a sources of heat and ignition, in its original, and hermetically sealed packaging, away dizing agents, food, feed and articles of ion.		
	Packaging materials:	Manufactu	turer's original packaging.		
	Requirements for storage rooms and vessels:	sels: Keep away from food and drink. Keep the containers tightly closed.			
	Advices for storage equipment: be resi		ge must be made of hard material; floors must ant to chemicals. There must be no drain that leads into sewage system. Secure proper n.		
	Further information on storage conditions:	and do n	ace the unused material in the storage room of use empty containers for storing other Do not store with incompatible materials (see)).		
7.3	Specific end use(s)				
	Recommendations:	-			
	Industrial sector specific solutions:	-			

CAS No	Occupational exposure limit values/short term values		Biological limit values
	ppm	mg/m³	-
64-17-5	1000/-	1900/-	-
67-64-1	500/-	1210/-	
	64-17-5	CAS No values/short ppm 64-17-5 1000/-	CAS No values/short term values ppm mg/m³ 64-17-5 1000/- 1900/-



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

Page 6 of 18

3			1 DECOLO	ORIZER SOLUTION	ON 3			
Product code:	GD3-OT-X**	Revisi	on date:	23 Dec 202	2	Version:	4	
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Substance name:	-							
EC No:	- CAS No	: -						
DNEL								
		In	dustrial					
Route of	Acute	Acute		Chronic		Chronic		
exposure:	effect local	effect systemi	С	effect local	е	ffect systemic		
Oral	-	-	-		-			
Inhalation	1900 mg/m³ (ethanol)	-	-			/m³ (ethanol) g/m³ (acetone)		
Dermal	-	-	-		_	'kg (ethanol) 'kg (acetone)		
Critical physical para	ameters: solubility,	flammability, co	rrosivity:	-	'			
		Co	nsumer	·				
Route of	Acute	Acute		Chronic		Chronic		
exposure:	effect local	effect systemi	с	effect local	e	ffect systemic		
Oral	-	-	-		87 mg/k	g bw/day (etha	nol)	
Inhalation	950 mg/m ³ (ethanol)	-	-		_	'm³ (ethanol) 'm³ (acetone)		
Dermal	_	_	_		_	/kg (ethanol)		
					62 mg/k	g (acetone)		
PNEC								
Environmental prote	ection target		PNEC					
Fresh water			0.96 mg/l (ethanol) 10.6 mg/l (acetone)					
Freshwater sedimen	tc		3.6 mg/kg (ethanol)					
Freshwater seuimen	ıts		30.4 mg/	kg (acetone)				
Marine water			_	'l (ethanol)				
				'kg (acetone)				
Marine sediments			_	g (ethanol) 'kg (acetone)				
Food chain			380-720	mg/kg (ethanol)				
Microprophisms in a	sowage treatment		580 mg/l	l (ethanol)				
Microorganisms in s	sewage treatment		100 mg/l	(acetone)				
Soil (agricultural)			_	kg (ethanol)				
				'kg (acetone)				
Air			no inforn	nation available				



Page 7 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3		
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

8.2	Exposure controls			
8.2.1.	Appropriate engineering controls	5		
	Substance/mixture related measures to prevent exposure during identified uses:		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 preve exposure:	ent	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	propriate protective clothing.	
8.2.2.3.	Respiratory protection:	concer in the contac	e of normal usage and ventilation, it is not necessary. If necessary also be not necessary and tration of ethyl alcohol exceeds occupational exposure limits air, use a self-contained breathing apparatus. For short 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	ermal hazards known.	
8.2.3.	Environmental exposure controls			
	Substance/mixture related measures to prevent exposure:	See Se	ction 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	



Page 8 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3		
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

	Information on basic physical and o	hemical 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			
	Lower and upper explosion limit:	No information available	No information available			
	Flash point:	12 °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			
<u>.</u>	Other information					

SECTION	ON 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.



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

Page 9 of 18

Trading name:		GRAM DECOLORIZ	ZER SOLUTION 3		
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

11.1 Informa	ation on hazard cla	sses as defined i	in Regulation	on (EC) No 1272	2/2008		
Acute t			-9	- (- / -			
Route of exposure:	Method	Species		LD ₅₀ /LC ₅₀ or ATE _{mix}	Exposure t	ime	Results
Oral:	- rat			LD ₅₀	-		7.060 mg/kg (ethanol) 5.800 mg/kg (acetone)
Dermal:	rabbit LD ₅₀ -			>20.000 mg/l (ethanol) :0.000 mg/kg (acetone)			
Inhalation:	-	rat		LC ₅₀	4 h		>8.000 mg/l (ethanol) 76 mg/l (acetone)
Specific	c target organ toxi		osure (STO				
	•	ecific effects		Target organ			Note
Oral:	No information			No information available		-	
Dermal:	No information	on available	No	No information available -			
Inhalation:	Narcotic effe	ets	No	No information available May or c			e drowsiness ess.
Aspirat	ion hazard:	N	o informat	ion available.			
Irritatio	on and corrosion						
Cl.:-	Expos	ure time	Species	Evaluatio	n Method	1	Note
Skin corrosion/irritat	ion:	-		-	-	-	
Serious eye damage/irritatio	on -	-		-	-	-	
Sensitiz	zation						
Skin sensitizatio		nformation avail	able.				
Respiratory sens	sitization: No i	nformation avail	ahle				



Page 10 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3							
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4			

Sympto	ms rel	ated to the ph	nysical, chemica	al and toxicolog	ical characteristi	cs	
Oral exposure:		Absorption unconscious:	of great q ness and alcoh	uantities may ol poisoning. In	cause dizzin case of swallowi		nausea and
Dermal exposure) :	After prolon cracking of s	•	ted exposure s	ymptoms may	include: defatting,	dryness and
Inhalation exposure: Inhalation of membrane:			great quantitie	es may cause diz	ziness, euphoria	and mild irritation	of the mucous
Eye exposure:		May cause in	ritation and red	dness.			
Repeate	ed dos	e toxicity (sub	acute, subchro	onic, chronic)			
		Dose	Exposure time	Species	Method	Evaluation	Note
Subacute oral		information lable	No information available	No information available	No information available	No information available	-
Subacute dermal		information lable	No information available	No information available	No information available	No information available	-
Subacute inhalation		information lable	No information available	No information available	No information available	No information available	-
Subchronic oral		information lable	No information available	No information available	No information available	No information available	-
Subchronic dermal		information lable	No information available	No information available	No information available	No information available	-
Subchronic inhalation		information lable	No information available	No information available	No information available	No information available	-
Chronic oral		information lable	No information available	No information available	No information available	No information available	-
Chronic dermal		information lable	No information available	No information available	No information available	No information available	-
Chronic inhalation		information lable	No information available	No information available	No information available	No information available	-



Page 11 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3						
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4		

	Specific target	organ toxicity – repeated e	expo	sure (STOT	RE):	
		Specific effec	cts		Target organ	Note
Subacu	te oral	No information available	2		No information available	-
Subacu	te dermal	No information available			No information available	-
Subacu [.]	te inhalation	No information available			No information available	-
Subchronic oral No information available					No information available	-
Subchro	ubchronic dermal No information available				No information available	-
Subchro	onic inhalation	No information available			No information available	-
Chronic oral No information avail		No information available			No information available	-
Chronic dermal		No information available			No information available	-
Chronic	hronic inhalation No information availa				No information available	-
	Mutagenicity in Germ cell muta Reproductive to Summary of properties:	agenicity: :oxicity:	Based on available data, the classification criteria are not Based on available data, the classification criteria are not Based on available data, the classification criteria are not CMR Based on available data, the classification criteria are met.			riteria are not met. riteria are not met.
11.2		n other hazards:				
11.2.1.		upting 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.					

SECTION 12. Ecological information



Page 12 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3							
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4			

Acute (short-term) toxicity	Dose	Exposure time	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 plants	IC ₅₀	4 days	algae	No information available	5.000 mg/l / 7d (ethanol) 530 mg/l (acetone)	-
Other organisms	-	-	-	-	-	_
Chronic (long-term) toxicity	Dose	Exposure time	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 plants	IC ₅₀	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	_

12.2	Persist	ence and degradability			
	Abioti	degradation			
		Degradation half-lives	Method	Evaluation	Note
Marine	e water	No information available	No information available	No information available	-
Fresh v	water	No information available	No information available	No information available	-
Air		No information available	No information available	No information available	-
Soil		No information available	No information available	No information available	-



Page 13 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3							
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4			

	Biodegr	adati	ion										
% De	gradation	า		Time (d	ays)		Ν	lethod		Evaluatio	า		Note
No info availabl	rmation e		No availa		ormatio	tion No information available		No information available		No information available			
		i				<u> </u>		į.				<u> </u>	
12.3	Bioaccu	mula	tive p	otential									
	Octanol	-wat	er par	tition co	efficien	t (log	Kow)	1					
Val	alue Concentration pH			рН	°C		Method		Evalua	ation		Note	
-		-			-	-	-	•		-		-	
	Bioconc	entra	ation f					4 - 4		Frank at			Nata
V	alue		1-	Specie		Method		Evaluation			Note		
-			No Ivailab		ormatio	tion No informatio available			No information available		-		
						•						,	
	Chronic	ecot	oxicity	/									
	Value			Dose	E	xposu time		Species		Method	Eva	luation	Note
Chronic	toxicity o	on fis	sh	LC ₅₀		ormat ailable		No information available	1	o formation ailable	No infor availa	mation able	-
	toxicity on the toxicity of th			EC ₅₀		ormat ailable		No information available		o formation ailable	No infor availa	mation able	-
12.4	Mobility	/ in s	oil										
	Known	or pr	edicte	d distrik	oution i	n envii	ronm	ental compar	tmer	nts:			
	No info	rmati	ion av	ailable									
	Surface	tensi	ion:										
	Valu	ie		°C		Conc	entra	tion	N	lethod			Note



Page 14 of 18

Trading name:		GRAM DECOLORIZER SOLUTION 3								
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4					

	No No information available available		No information available	No information available	n _	
	A .l	()				
Transpo	ort	/ desorption /D coefficient enry's constant	log Kow	Evaporation rate	Method	Note
Soil-water No		information ilable	No information available	No information available	No information available	-
		information ilable	No information available	No information available	No information available	-
Soil-air	No ava	information ilable	No information available	No information available	No information available	-
		- very persistent	and very bloaccui	nulative (vPVD) at le	vels of 0.1% or high	ner.
12.6.	The substan	isrupting propert ce/mixture does REACH Article 5	ies not contain compo	onents considered to n Delegated regulat		isrupting properties
	The substant according to Regulation (isrupting propert ce/mixture does o REACH Article 5 EU) 2018/605 at l	ies not contain compo 7(f) or Commission evels of 0.1% or h	onents considered to n Delegated regulat gher.	o have endocrine di ion (EU) 2017/2100	isrupting properties
12.7.	The substant according to Regulation (Other advertible Do not let the	isrupting propert ce/mixture does o REACH Article 5 EU) 2018/605 at I	not contain compo 7(f) or Commission evels of 0.1% or h	onents considered to n Delegated regulat	o have endocrine di ion (EU) 2017/2100	isrupting properties
12.6. 12.7. SECTIO 13.1	The substant according to Regulation (Other advertible Do not let the CN 13. Dispose)	isrupting propert ce/mixture does o REACH Article 5 EU) 2018/605 at l	not contain compo 7(f) or Commission evels of 0.1% or h	onents considered to n Delegated regulat gher.	o have endocrine di ion (EU) 2017/2100	isrupting properties
12.7. SECTIO 13.1	The substant according to Regulation (Other advertible Do not let the Do not le	isrupting propert ce/mixture does p REACH Article 5 EU) 2018/605 at I se effects ne product or its r al consideration atment methods cackaging disposa	ies not contain compo 7(f) or Commission evels of 0.1% or h residues reach sew	onents considered to n Delegated regulat igher. er system, waterway	o have endocrine di ion (EU) 2017/2100	isrupting properties or Commission
12.7. SECTIO	The substant according to Regulation (Other advertible Do not let the Do not let	isrupting propertice/mixture does to REACH Article 5 EU) 2018/605 at lesse effects are product or its relational timent methods ackaging disposal to the less are disposal	ies not contain compo 7(f) or Commission evels of 0.1% or h residues reach sew	onents considered to n Delegated regulat igher. er system, waterway	o have endocrine di ion (EU) 2017/2100 ys and soil.	isrupting properties or Commission



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

Page 15 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3							
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4			

13.1.3. Waste treatment – relevant info	Waste treatment – relevant information:		
No information available	No information available		
13.1.4. Sewage disposal – relevant infor	Sewage disposal – relevant information:		
Waste must not be disposed of	into the sewage system.		
13.1.5. Other disposal recommendation			
authorized by the ministry in ch	s remains into the sewage system. Submit the remains to the collectors narge. Do not dispose of the packaging into the sewage system. Submit authorized by the ministry in charge. Unused product residues may be		
13.1.6. Relevant Community provisions:			
Disposal must be made according	ng to official regulations.		
SECTION 14 TRANSPORT INFORMATION	N .		
Transporting/shipment by road (A	ADR)		
UN number:	1993		
UN proper shipping name:	Flammable liquid, n.o.s. (acetone, ethanol)		
Transport hazard class(es):	3		
Packing group:	II		
Environmentally hazardous:	-		
Special precautions for user:	-		
Transporting/shipment by rail (RIE	D)		
UN number:	1993		
UN proper shipping name:	Flammable liquid, n.o.s. (acetone, ethanol)		
Transport hazard class(es):	3		
Packing group:	II		
Environmentally hazardous:	-		
Special precautions for user:	-		
Inland waterway transport (ADN)			
UN number:	1993		
UN proper shipping name:	Flammable liquid, n.o.s. (acetone, ethanol)		
Transport hazard class(es):	3		
Packing group:	II		
5 5 15.	•		
	-		



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

Page 16 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3				
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

Transporting/shipment by sea (IN	MDG)
UN number:	1993
UN proper shipping name:	Flammable liquid, n.o.s. (acetone, ethanol)
Transport hazard class(es):	3
Packing group:	II
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:	1993
UN proper shipping name:	Flammable liquid, n.o.s. (acetone, ethanol)
Transport hazard class(es):	3
Packing group:	II
Environmentally hazardous:	-
Special precautions for user:	-
Further information: -	

SECTIO	ECTION 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	
	Authorizations:	-	
	Restrictions:	-	



Page 17 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3				
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

		Regulation (EC) No 1907/2006 of the European Parliament and of the Council of
	Other EU regulations:	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;
		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).
		REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);
	Information according 199 guideline)	9/13/EC about limitation of emissions of volatile organic compounds (VOC-
	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 assessmen	t
	None	

SECTIO	ON 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



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

Page 18 of 18

Trading name:	GRAM DECOLORIZER SOLUTION 3				
Product code:	GD3-OT-X**	Revision date:	23 Dec 2022	Version:	4

16.3.		erature references and of data:	-
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)		used to derive the classification for mixture according to Regulation (EC)
Classifi	cation		Classification procedure
-			-
16.5.	Relevant H statements (num		ber and full text)
		225	Highly flammable liquid and vapor.
	H:	319	Causes serious eye irritation.
		336	May cause drowsiness or dizziness.
		(EUH066)	Repeated exposure may cause skin dryness or cracking.
16.6.	Trainin	g 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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