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Trade name:	EOSIN Y, ISOTONIC SOLUTION						
Product code:	EIO-OT-X**	Date of compilation:	14 November 2022	Version:	4		

		e substan	ice/mi	xture and	d of the company/undertaking	
1.1.	Product identifier					
	Trading name: E	OSIN Y, IS	SOTON	NIC SOLU	TION	
	Chemical name: -					
	Product code: E	IO-OT-X*	**			
1.2.	Relevant identified uses of the substance or mixture and uses advised against					
	Uses:			Aqueous s kit.	colution of Eosin Y used with Eosin and nigrosin vital	
	Uses advised against:		C	Only the id	dentified uses are advised.	
	Reason why uses advised against:		t: r	The product is intended for use only as an <i>in vitro</i> diagnostic medical device and there is no reason to use it for other purposes.		
1.3.	Details of the supplier of the safety data sheet					
	Supplier:	В	BioGno	Gnost Ltd.		
	Address:	N	Medjug	jugorska 59, Zagreb		
	Telephone number:	+	+385 1	35 1 2409997		
	Telefax:	+	+385 1	85 1 2404039		
	e-mail of competent pe	erson: <u>n</u>	nsds@	s@biognost.hr		
	National contact:		•			
1.4.	Emergency telephone r	numbers				
	National Protection and	d Rescue [Directo	orate:	112	
	Medical information:				+385 1 2348 342	
	Other information:	Other information:			-	

SECTIO	SECTION 2. Hazards identification					
2.1.	Classification of the substa	nce or mixture				
2.1.1.	Classification according to	Regulation (EC) No 1	272/2008 (CLP)			
	Hazard class and ca	Hazard class and category code: Hazard statement*:				
	Skin. Sens. 1		H317			
2.1.2.	Additional information	Additional information				
	-					
*For th	e full text of H and EUH phras	ses see Section 16.				
2.2.	Label elements					
	Product identification:	EOSIN Y, ISOTON	NIC SOLUTION			
	Identification number:	-				
	Authorisation number:	-				



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	Hazard pictograms:	GHS07		
	Signal word:	Warning		
	Hazard statement:	H317 May cause an allergic skin reaction.		
	Precautionary statement:	P280 Wear protective gloves/protective clothing/eye/protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P308 + P313 IF exposed or concerned: Get medical advice/attention.		
	Supplemetal hazard information (EU):	-		
2.3.	Other hazards			
	No known endocrine disrupting properties. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.			

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)			
17372-87-1/ 241-409-6/ -	-	3 – 5 %	disodium 2-(2,4,5,7- tetrabromo-6-oxide-3- oxoxanthen-9-yl) benzoate	Skin. Sens. 1; H317			

SECTIO	SECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	Move out of dangerous area. Show this safety data sheet to the doctor and first responders.			
	Following inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical advice.			
	Following skin contact:	Wash off with soap and plenty of water. If irritation occurs and persists: Get medical advice.			
	Following eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs and persists: Get medical advice.			
	Following ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.			



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	Self-protection of the first aider	-
4.2.	Most important symptom	s and effects, both acute and delayed
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following skin contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following eye contact:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
	Following ingestion:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.
4.3.	Indication of any immedia	ate medical attention and special treatment needed
	Treat symptomatically.	

SECTIO	ON 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray (FOG) or foam.			
	Unsuitable extinguishing media:	Avoid solid water stream as it may scatter and spread fire.			
5.2.	2. Special hazards arising from the substance or mixture				
	Hazardous by products of fire:	Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).			
5.3.	Advice for firefighters				
	Use a self-contained open-circuit c containers exposed to fire with wa	ompressed air breathing apparatus and fireproof clothing. Cool closed ter spray or vapor.			
5.4.	Additional information				
	9 9	king due to increase in pressure. Remove sources of heat and 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 suitable 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:		
	Use protective equipment; in case (see Section 8).	e of inadequate ventilation use adequate airways protective equipment	



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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 materials for containment and cleaning up					
6.3.1.	Bunding, covering of drains; capping procedures:	Sand or clay barriers.				
6.3.2.	Cleaning up:	After removing the product, use water to wash the work space and used materials.				
6.3.3.	Other information:	No information available.				
6.4.	Reference to other sections					
	-					

7.1.	Precautions for safe handling						
7.1.1.	Protection measures						
	Measures to prevent fire:	Use in well ventilated storage rooms. Refer to the manufacturer's recommendations.					
	Measures to prevent aerosol and dust generation	on:	Secure proper ventilation.				
	Measures to protect the environment:		Prevent spilling into the sewage system and waterways.				
	Other measures:		-				
7.1.2.	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:	well vent	Keep in tightly closed and upright set containers in a well ventilated storage rooms at temperatures ranging from 15 to 25 °C.				
	Packaging materials:	Manufac	turer's original packaging.				
	Requirements for storage rooms and vessels:	•	ep away from food and drink. Keep the containers ntly closed.				
	Advices for storage equipment:	The storage must be made of I					
	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)	,					



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Recomm				-					
Industria	sector sp	pecific soluti	ions:	-					
SECTION 8. EXPO			PERSONAL	PROTECTIO	N				
8.1. Control p	paramete	rs T							
5		CAC		•	exposure limit t term values	D: 1			
Substance		CAS	No _		mg/m ³	Riolog	ical limit values	,	
_		_		ppm	ilig/ili				
<u>-</u>		_					<u>-</u>		
Substance: -									
EC No: -		CAS No:	-						
DNEL		C 15 110.							
				Industrial					
	Acu	te effect	Acut	e effect			Chronic effec	t	
Route of exposure:		local		temic	local		systemic		
Oral	-		-		-	-	•		
Inhalation	-		-		-	-			
Dermal	-		-		-	-			
Critical physical pa	rameters:	solubility, fl	lammability	, corrosivity:	-	•			
				Consumer					
Route of exposure:	Acu	te effect	Acut	e effect	Chronic effe	ect	Chronic effec	t	
Route of exposure.		local	sys	temic	local		systemic		
Oral	-		-		-	-			
Inhalation	-		-		-	-			
Dermal	-		-		-	-			
PNEC									
Environmental pro-	tection ta	rget		PNEC					
Fresh water				No information available					
Freshwater sediments				No information available					
Marine water					No information available				
manne seaments					rmation available				
Food chain					No information available				
Microorganisms in	sewage t	reatment			rmation available				
Soil (agricultural)					rmation available				
Air				No info	No information available				



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8.2.	Exposure controls							
8.2.1.	Appropriate engineering controls							
	Substance/mixture related measu to prevent exposure during identi uses:	Use personal protective equipment 1)0 not eat drink or						
	Structural measures to prevent exposure:	No information available						
	Organisational measures to preve exposure:	Organization of work in order to reduce other worker's influence during work process.						
	Technical measures to prevent exposure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels.						
8.2.2.	Personal protection equipment:							
8.2.2.1.	Eye and face protection:	Safety glasses tested and approved under appropriate standards such as EN 166(EU).						
8.2.2.2.	Skin protection:							
	Hand protection:	Handle with chemical resistant gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.						
	Other skin protection:	No specific protective equipment required.						
8.2.2.3.	Respiratory protection:	Use when overexposure potential. Improper use of respirators is dangerous.						
8.2.2.4.	Thermal hazards:	No information 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 to prevent exposure:	Adapt the work process to the required working conditions of the workplace.						
	Technical measures to prevent exposure:	See Section 6						

SECTION 9. Physical and chemical properties							
9.1.	Information on basic physical and chemical properties						
		Value	Method				
	Physical state:	liquid	No information available				
	Colour:	red	No information available				



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9.2.	Particle characteristics: Other information	No information available	No information available
	Relative vapour density:	No information available	No information available
	Density and/or relative density	No information available	No information available
	Vapour pressure:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
	Solubility:	No information available	No information available
	Kinematic viscosity:	No information available	No information available
	pH:	No information available	No information available
	Decomposition temperature:	No information available	No information available
	Auto-ignition temperature:	No information available	No information available
	Flash point:	No information available	No information available
	Lover and upper explosion limit:	No information available	No information available
	Flammability:	No information available	No information available
	Boiling point or initial boiling point and boiling range:	No information available	No information available
	Melting point / freezing point:	No information available	No information available
	Odour/odour threshold:	No information available	No information available

SECTIO	SECTION 10.: Stability and reactivity						
10.1.	Reactivity:	Not reactive under normal conditions.					
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using (room temperature).					
10.3.	Possibility of hazardous reactions:	No information available.					
10.4.	Conditions to avoid:	Contact with incompatible materials and temperature extremes.					
10.5.	Incompatible materials:	Strong oxidizers.					
10.6.	Hazardous decomposition products:	Does not decompose under normal conditions. During fire, thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (as asphyxiant as sufficient concentrations).					

SECTION 11. Toxicological information



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Acute	toxicity:								
Route of exposure:		ethod	Species		Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}		Exposure time		Results
Oral:		formation ailable		-	No inform availa	o ation	-		-
Dermal:		formation ailable		-	No inform availa	ation	-		-
Inhalation:		formation ailable		-	No inform availa	ation	-		-
Specit	fic target or	gan toxicity -	single e	exposure (S	TOT-SE):				
	Specific ef			ects		Targ	et organ	Note	
Oral:	No info	ormation avai	lable			-	-		
Dermal:	No info	ormation avai	lable			-	-		
Inhalation:	No info	ormation avai	lable			-		-	
	ation hazard			-					
		Exposure	time	Specie	es	Evaluati	on M	1ethod	Note
Skin corrosion/i	rritation:		mation	rabbit	-		-		mild skin irritation
Serious irritation	n to eyes:	No infor available	mation	-			-		-
Sensit	ization								
Skin sensitization: No information available.									
Respiratory sensitization:	No	information	available	2.					
Symp	toms relate	d to physical,	chemica	al, and toxic	cological p	oroperti	es		
Oral exposure:		No known sp	ecific sy	mptoms.					
Dermal exposur	e:	No known sp	ecific sy	mptoms. N	1ay cause	skin irrit	tation.		



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Inhalation expo	sure:	No kno	own specific syr	nptoms.							
Eye exposure:		No kno	o known specific symptoms.								
Repea	ated dose t	oxicity (subacute, subc	hronic, chror	nic)						
	Dos	e	Exposure time	Species	s I	Method	Evaluation		Note		
Subacute oral	No inforr available		No information available	No informatio available	on i	No information available	No informatic available	n	No information available		
Subacute dermal	No inforr		No information available	No informatio available	on i	No information available	No informatio available	n	No information available		
Subacute inhalation	No information available		No information available	No informatio available	on i	No information available	No informatio available	n	No information available		
Subchronic oral	No information available		No information available	No informatio available	on i	No nformation available	No informatio available	n	No information available		
Subchronic dermal	No inforr available		No information available	No informatio available	on i	No Information available	No informatio available	n	No information available		
Subchronic inhalation	No inforr	mation	No information available	No informatio available	on i	No information available	No informatio available	n	No information available		
Chronic oral	No inforr available		No information available	No informatio available	on i	No Information available	No informatio available	n	No information available		
Chronic dermal	No inforr		No information available	No informatio available	on i	No Information available	No informatio available	n	No information available		
Chronic inhalation	No inforr available		No information available	No informatio available	on i	No nformation available	No informatio available	n	No information available		
i											
Speci	fic target o	rgan to	kicity - repeated	d exposure (S	STOT-R	RE):					
			Specific ef	fects		Target org	jan		Note		
Subacute oral		N	o information a	information available		No information available		No information available			
Subacute derma	al	N	o information a	vailable	No ir	No information available			information ilable		



Subacute inhalation

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

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available

No information

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No information available

No information available

					available			
Subchro	onic oral	No information available		No information available	No information available			
Subchro	onic dermal	No information available		No information available	No information available			
Subchro	onic inhalation	No information availa	able	No information available	No information available			
Chronic oral		No information availa	able	No information available	No information available			
Chronic	dermal	No information availa	able	No information available	No information available			
Chronic	Chronic inhalation No information a			No information available	No information available			
	G. 10 . 6							
	CMR effects (carcino	genicity, mutagenicity,	y, reproductive toxicity)					
	Carcinogenicity:		Based on available data, the classification criteria are not met.					
	Mutagenicity in-vitro:		met.	on available data, the classific				
	Genotoxicity:		Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.					
	Mutagenicity in-vivo							
	Germ cell mutagenic	ity:						
	Reproductive toxicity	<i>'</i> :						
	Summary of evalu properties:	ation of the CMR	No info	ormation available				
11.5								
11.2.	Information on other							
11.2.1.	Endocrine disrupting	properties:						
	No known endocrine that affect human he	e disrupting properties ealth.						
	Other informations:							
11.2.2.	Other informations.							

SECTIO	N 12. Ecological information
12.1	Tovicity

12.1. Toxicity



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Acute (short- toxicity	term)	Dose	Exposure time	Species	N	1ethod	Evaluati	on	Note
Fish		LC ₅₀	96 hours	-	-	-		-	
Crustacea:		EC ₅₀	48 hours	-	-	-	•	-	
Algae/aquati	c plants:	IC ₅₀	72 hours	-	-	-	•	-	
Other organi	sms	-	-	-	-	-	•	-	
Chronic (long toxicity	g-term)	Doza	Exposure time	Species	N	1ethod	Evaluati	on	Note
Fish		LC ₅₀	96 hours	-	-	-		-	
Crustacea:		EC ₅₀	48 hours	-	-	-	•	-	
Algae/aquati	c plants:	IC ₅₀	72 hours	-	-	-	•	-	
Other organi	sms	-	-	-	-	-	•	-	
Marine						No information			Note
1,101	otic degr	adation hal	f-lives	Method		Εν	/aluation		Note
Marine water		rmation ava		No information av	/ailable availa)		-
Fresh water	No info	rmation ava	ailable	No information av	ailable	No infor available			-
Air	No info	rmation ava	ailable	No information av	ailable	No infor available			-
Soil	No info	rmation ava	ailable	No information av	ailable	No infor			-
-									
	degradat								
% Degradat		Time (da	-	Method		Evaluation			Note
No informati available		informatio ailable		No information available	No in availa	formation ble	-		

12.3.	Bioac	Bioaccumulative potential										
	Octar	tanol-water partition coefficient (log Kow)										
Value		Concentration	рН	°C	Method	Evaluation	Note					
No information available		No information available	-	-	No information available	No information available	-					



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	Bioconce	ntratio	on Factor	(BCF)								
Valu	ie		Species	;	Me	thod		Evaluatio	n		Note	
No inform available	No information available available		1	No informat available			No information available		-			
	Chronic e	acotov	vicity									
	/alue	cotox	Dose	Expos		Speci	ies	Method	Eva	luation	No	te
Chronic to	Chronic toxicity on fish LC50				ormat ailable	1	ormation ailable	_	No information available			
	Chronic toxicity on EC ₅₀					No mation information able available		No infor availa	mation able	-		
	Mobility i Known or		icted disti	ibution i	n environm	ental	compartm	ents:				
	Surface te	ension	1:									
	Value		°C	С	oncentratio	n	M				Note	
i	No informati n availabl		o formatior vailable		informatio ailable		No inform available					
	Adsorption	on / d	esorption									
Transport	Α	/D co	efficient constant		og Kow	Ev	aporation rate	M	ethod		Note	
Soil-water	No i	nform		No ir availa	nformation able	No information available		No information available		-		
Water-air		nform able	ation	No ir availa	nformation able		ormation ilable		No information available		•	



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Soil-air	1	information ilable	No information available	No informat available		No information available	-				
		of PBT and vPvB a									
			•			to be either persistent, vPvB) at levels of 0.1%		ve ——			
12.6. E	ndocrir	ne disrupting prop	erties								
p	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/21 Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.										
12.7.	Other ac	dverse effects									
r	No infor	mation available									
SECTION	13. Disp	oosal considerati	ons								
13.1. V	Vaste tr	eatment methods									
13.1.1.	Produc	ct/Packaging dispo	osal:								
	Submit Protect	•	ne legal person auth	orized by	the M	linistry of Environment	al and Nature				
12.1.2	\\/+-			.							
13.1.2.			nations according to Law: ccording to official regulations.								
	Dispos	al must be made a	according to official	regulatio	115.						
13.1.3.	Waste	treatment – releva	ant information:								
		ormation available									
13.1.4.	Sewag	e disposal – releva	ant information:								
	Waste	must not be dispo	osed of into the sew	age syste	m.						
		·									
13.1.5.	Other	disposal recomme	endations:								
	author	ized by the minist		t dispose	of the	stem. Submit the rema packaging into the sev inistry in charge.		ctors			
13.1.6.	Releva	nt Community pro	ovisions:								
	-										



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SECTION 14. Transport information	
Transporting/shipment by roa	d (ADR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by rail	(RID)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
Special precautions for user:	-
Transporting/shipment by inla	and waterways (ADN)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmental hazards:	-
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:	-
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	-
Transporting/shipment by air	(ICAO-TI/IATA-DGR)
UN number:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-



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Packing group:										

-
-
-

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture					
	EU regulations Authorisation and/or restrictions on use					
	Authorisations:	-				
	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 793/9: 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 10 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 coguideline)					
	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					

SECTION 16. Other information



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Trade name:	EOSIN Y, ISOTONIC SOLUTION				
Product code:	EIO-OT-X**	Date of compilation:	14 November 2022	Version:	4

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		
16.3.	Key literature references and source of data:	Manufacturer's MSDS file.		
16.4.	Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP)			
Classific	ation	Classification procedure		
_		-		
16.5.	Relevant H statements (r	umber and full text)		
	H: 317	May cause an allergic skin reaction.		
16.6.	Training advice:	-		
16.7.	Further information:	"X" in the product code marks different volumes (different packaging 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

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