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Trading name:	GOLD CHLORIDE, 0.6% SOLUTION				
Product code:	ZK06-OT-X**	Date of compilation:	21 Dec 2022	Version:	2

1.1	Product identifier					
	Trading name:	GOLD CHLC	DRIDE, 0.6	% SOLUTION		
	Chemical name:	-	-			
	Catalogue number:	ZK06-OT-X*	**			
1.2	Relevant identified uses of the substance or mixture and uses advised against					
	Uses:		Compor	nent of many special staining kits.		
	Uses advised against:		Only the	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 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	person:	msds@biognost.hr			
	National contact:		-			
1.4	Emergency telephone	number				
	National Protection a	nd Rescue Dire	ectorate:	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 Regi	ulation (EC) No 12	272/2008 (CLP)			
	Hazard class and catego	ory code:	Hazard statements*:			
	Not identified as hazardous substance					
2.1.2.	Additional information					
	-					
*For ful	l text of Hazard- and EU Hazard-	statements: see S	ECTION 16			
2.2	Label elements					
	Product identification:	GOLD CHLORID	E, 0.6% SOLUTION			
	Identification number:	-				
	Authorization number:	-				
	Hazard pictograms:	-				



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	Signal word:	-
	Hazard statements:	-
	Precautionary statements:	-
	Supplemetal hazard information (EU):	-
2.3	Other hazards	
	Endocrine Disrupting Prope	rties:
	No known endocrine disrupti	ng properties
	<b>Results of PBT and vPvB ass</b> PBT or a vPvB.	sessment: According to the results of its assessment, this substance is not a

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)
-	-	-	Contains no hazardous substances	-

SECT	ION 4. First aid measures		
4.1	Description of first aid measures		
	General notes:	If the suggested first aid measures do not prove sufficient, seek medical attention.	
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well- ventilated area or out for fresh air. In case of difficult breathing, provide the afflicted person with oxygen.	
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water for at least 20 minutes. Seek medical assistance if the symptoms of irritation remain.	
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open for at least 20 minutes. If the symptoms remain, immediately call in ophthalmologist.	
	Following ingestion:	Rinse the mouth thoroughly with 1-2 glasses of water. Immediately consult a physician and show the container or label. In case of swallowing large quantities, transport the afflicted person to the hospital.	
	Self-protection of the first aider:	-	
4.2	Most important symptoms and ef	fects, both acute and delayed	
	Following inhalation:	According to our findings, chemical, physical and toxicological properties of the substance have not been entirely tested.	



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	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 immediate	Indication of any immediate medical attention and special treatment needed		
	-			

SECTI	SECTION 5. Firefighting measures				
5.1	Extinguishing media				
	Suitable extinguishing media: water spray, dry powder, CO <sub>2</sub> or alcohol resistant foam				
	Unsuitable extinguishing media: Water with full 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.				
5.4	Additional information				
	Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. Do not contaminate the environment with extinguishing media.				

SECTIO	CTION 6. Accidental release measures				
6.1	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
	Protective equipment:	Use personal protective equipment (see Section 8).			
	Accident prevention methods: Evacuate members of all non-essential personnel and those memb without protective equipment. Avoid breathing vapors and avoid cont with skin and eyes. Do not smoke. Keep away from ignition sources.				
	Emergency procedures:	Mark the area using proper signs.			
6.1.2.	For emergency responders:				
	Use protective equipment; in c (see Section 8).	ase of inadequate ventilation use adequate airways protective equipment			
6.2	Environmental precautions:				
	Do not dispose of in sewage, drainage system and waterways. In case of large spillage contact National Protection and Rescue Directorate (NPRD) on 112.				
6.3	Methods and material for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	Sand protective barrier or barriers made of similar materials.			



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6.3.2.	Cleaning up:	Where possible, the substance can be absorbed by using absorbing material. 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:	Action: 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	formation.		

SECTIO	ON 7. Handling and storage					
7.1	Precautions for safe handling					
7.1.1.	I. Protection measures					
	Measures to prevent fire:		Use in well ventilated storage rooms. Keep away from sources of ignition and heat. Do not use tools that cause sparks. Do not smoke.			
	Measures to prevent aerosol and dust generation	Secure proper 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. Th	oroughly was	sh hands after work and before eating.			
7.2	Conditions for safe storage, including any incompatibilities					
	Technical measures and storage conditions:	well ventil	ghtly closed and upright set containers in a ated storage rooms at temperatures ranging 25 °C. Protect from heat and direct sunlight.			
	Packaging materials:	Manufactu	turer's original packaging.			
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.				
	Advices for storage equipment:	must be re	ge must be made of hard material; floors esistant to chemicals. There must be no drain Ily leads into sewage system. Secure proper n.			



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	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 10).
7.3	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Expos	ure contro	ols/perso	onal pr	otect	tion				
8.1 Control pa	arameters								
Substance					upational exposure limit alues/short term values			Biological limit values	
					р	pm	mg/m <sup>3</sup>		-
-			-			-	-	-	
Substance name:	-	1		1					
EC No:	EC No: - CAS No: -								
DNEL									
			1		Ind	ustrial			
Route of Acute			Acute			Chronic		Chronic	
exposure:	effect	local	effe	ct sys	temic		effect local		effect systemic
Oral	-		-			-			-
Inhalation	-		-			-			-
Dermal	-		-			-			-
Critical physical par	rameters: s	olubility,	flamm	ability	,		-		
			T		Con	sumer			
Route of		cute		Acut			Chronic		Chronic
exposure:	effec	t local	effe	ct sys	temic		effect local		effect systemic
Oral	-		-			-			-
Inhalation	-		-			-			-
Dermal	-		-			-			-
PNEC									
Environmental protection target					PNEC				
Fresh water						no inform	nation available		
Freshwater sedime	nts					no information available			
Marine water						no information available			
Marine sediments						no information available			



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Food chain	no information available	
Microorganisms in sewage treatment	no information available	
Soil (agricultural)	no information available	
Air	no information available	

8.2	Exposure controls				
8.2.1.	Appropriate engineering controls				
	Substance/mixture related measures to prevent exposure during identified uses:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.		
	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 exp	osure:	Secure proper workspace ventilation in order to keep concentration levels in air below permitted levels. Secure stations for rinsing eyes and showering.		
8.2.2.	Personal protection equipment	nt			
8.2.2.1.	Eye and face protection:	Safety glasses that stick to face (EN 166) or visor in case of lower levels of concentration in air; protective gas mask that covers the entire face in case of higher levels of concentration in air.			
8.2.2.2.	Skin protection				
	· · · · · · · · · · · · · · · · · · ·		otective gloves have to satisfy the specification of tion (EU) 2016/425 and the related standard EN 374. Glove material: nitrile rubber Glove thickness: 0.40 mm Time until perforation: > 480 min		
	Other skin protection:	During everyday work use cotton clothing (EN 340) and footwear, such as rubber boots (EN 20345) or shoes the			
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 info	ormation available		
8.2.3.	Environmental exposure controls				
	Substance/mixture related measures to prevent exposure:	See See	ction 6		



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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

C C M E F F L F	Physical state: Colour: Odour/odour threshold: Melting point / freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Flash point:	Valueliquidlight yellowno information available/no information availableNo information available	Method No information available No information available No information available No information available No information available No information available
C C M E F F L F	Colour: Odour/odour threshold: Melting point / freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	light yellowno information available/no information availableNo information availableNo information availableNo information availableNo information availableNo information available	No information available No information available No information available No information available No information available
C N E F L F	Odour/odour threshold: Melting point / freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	<ul> <li>no information available/no information available</li> <li>No information available</li> </ul>	No information available No information available No information available No information available
N E F L	Melting point / freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	<ul> <li>information available</li> <li>No information available</li> <li>No information available</li> <li>No information available</li> <li>No information available</li> </ul>	No information available No information available No information available
E F L F	Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	No information available No information available No information available	No information available No information available
F F L F	point and boiling range: Flammability: Lower and upper explosion limit:	No information available No information available	No information available
F	Lower and upper explosion limit:	No information available	
F			No information available
	Flash point:		
4		No information available	No information available
	Auto-ignition temperature:	No information available	No information available
C	Decomposition temperature:	No information available	No information available
r	pH:	No information available	No information available
k	Kinematic viscosity:	No information available	No information available
S	Solubility:	No information available	No information available
	Partition coefficient n- octanol/water (log value):	No information available	No information available
١	Vapour pressure:	No information available	No information available
٢	Density and/or relative density:	No information available	No information available
F	Relative vapour density:	No information available	No information available
F	Particle characteristics:	No information available	No information available

SECTION 10. Stability and reactivity	
10.1 Reactivity:	See subsections 10.3 through 10.5.



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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	Condition	s to avoid:	No information available						
10.5	Incompati	ble materials:	No information available						
10.6	Hazardou	s decomposition products:	No information available						

1	oxicological information on hazard cla		d in Por	ulation (	EC) No 1272/	/2008		
	toxicity:	isses as define		guiation (	EC) NO 1272/	2008		
Route of exposure:	Method	Specie	es [	Dose LD <sub>50</sub> ATE		Exposure tir	ne	Results
Oral:	No informatio available	on _		o informa vailable	ation	_		-
Dermal:	No informatio available	on _		o informa vailable	ation	-		-
Inhalation:	No informatio available	on _		o informa vailable	ation	-		-
Specif	c target organ toxi	city – single ex	posure	(STOT SE	i):			
	Spe	ecific effects	Target organ		jan		Note	
Oral:	No information	on available	No information av		formation ava	ailable	-	
Dermal:	No informatio	on available	No information available			-		
Inhalation:	No informatio	on available		No in	formation ava	ailable	-	
Aspira	tion hazard:		No info	ormation	available.			
Irritatio	on and corrosion							
	Expos	ure time	Spe	ecies	Evaluation	Method		Note
Skin corrosion/irrita	tion:		-		-	-	-	
Serious eye damage/irritati	on -		-		-	-	-	
Sensit	zation							
Skin sensitizatio	on: No i	nformation av	ailable.					
Respiratory sen	sitization <sup>.</sup> No i	nformation av	ailabla					



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Oral exposure:	No informati	on available.				
Dermal exposure	e: No informati	on available.				
Inhalation expos	ure: No informati	on available.				
Eye exposure:	No informati	on 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 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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Trading	name:		GOLD	CHLORIDE, (	.6% SOLUTION					
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Subacute	e oral	No information a	vailable	N	o information available	-				
Subacute	e dermal	No information a	vailable	N	o information available	-				
Subacute	e inhalation	No information a	vailable	N	o information available	-				
Subchro	nic oral	No information a	vailable	N	o information available	-				
Subchro	nic dermal	No information a	vailable	N	o information available	-				
Subchro	nic inhalatio	n No information a	vailable	N	o information available	-				
Chronic o	ronic oral No information availab		vailable	N	o information available	-				
Chronic o	ronic dermal No information avail		vailable	N	o information available	-				
Chronic i	hronic inhalation No information availa		vailable	N	o information available	-				
	Reproducti Summary properties:	ty <i>in vitro</i> : y: ty <i>in vivo</i> : nutagenicity: ve toxicity: of evaluation of	Ba: Ba: Ba: Ba:	sed on available sed on available sed on available sed on available sed on available	criteria are not n criteria are not n	net. net. net. net.				
		n on other hazards:								
	The substa component disrupting Article 57 regulation	disrupting properties: ance/mixture does not ts considered to have properties according (f) or Commission (EU) 2017/2100 or C (EU) 2018/605 at levels	endocrine to REACH Delegated ommission							
	Other infor	mation:								
	-									

SECTION 12. Ecological information								
12.1 Toxicity								
Acute (short-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note		



No information

available

No

available

information

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Trading name:		GOLD CHLORIDE, 0.6	% SOLUTION		
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Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	4 days	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
Chronic (long-term) toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC <sub>50</sub>	96 hours	No information available	No information available	No information available	-
Crustacea:	EC <sub>50</sub>	48 hours	No information available	No information available	No information available	-
Algae/aquatic plants	IC <sub>50</sub>	72 hours	No information available	No information available	No information available	-
Other organisms	-	-	-	-	-	-
12.2 Persistence a	nd degradab	ility				
Abiotic degra	dation					
_						

	Degradation half-lives	Method	Evaluation	Note
Marine water	No information available	No information available	No information available	-
Fresh water	ater No information available No information available		No information available	-
Air	No information available		No information available	-
Soil	No information available	No information available	No information available	-
Biodeg	gradation			
% Degradation	on Time (days)	Method	Evaluation	Note

No information

available

No information

available

No information

available



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12.3	Bioaccu	mulativ	ve potential									
	Octanol	-water	partition co	pefficient (	(log Kow	)						
Valu	Je C	Concen	itration	рН	°C	М	ethod	Evalu	ation		Note	
-	-			-		-		-		-		
	Bioconc	entrati	on factor (B	SCF)								
١	Value		Specie	S	1	Vetho	d	Evaluati	on		Note	
No info availab	ormation ble	No ava	info ailable	ormation	No info availab		on	No informati available	on _			
	-											
	Chronic	ecotox	kicity									
	Value		Dose	<u> </u>	oosure ime	Sp	ecies	Method	Evaluati	ion	Note	
Chroni	c toxicity c	on fish	LC <sub>50</sub>	No infor avail	mation able	No infor availa	mation able	No information available	No informati available	on	-	
	c toxicity c cea ( <i>Daphr</i>		EC <sub>50</sub>	No infor avail	mation able	No infor availa	mation able	No information available	No informati available	on	-	
12.4	Mobility	in soil	1									
			licted distril	bution in e	environm	nental o	compart	ments:				
		-	n available				•					
	Surface	tensior	n:									
	Valu	e	°C	C	oncentra	ation		Method			Note	
	No informa available		No informatio available	n	informa ailable	ition	No inf availat	ormation ble	-			



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	Adsorption / deso	•				
Transpo	ort A/D coef Henry's co		log Kow	Evaporation rate	Method	Note
Soil-wa	ter No in available	formation	No information available	No information available	No information available	-
Water-a	air No in available	formation	No information available	No information available	No information available	-
Soil-air	No in available	formation	No information available	No information available	No information available	-
12.5	Results of PBT and	l vPvB asses	sment			
		CH Article 57	7(f) or Commissior	n Delegated regulat		isrupting properties or Commission
12.6.	Endocrine disrupti	ng properti	es			
		CH Article 5	7(f) or Commission	onents considered to n Delegated regulat gher.		
12.7	Other adverse effe	ects				
	No further relevan	it informatio	on available.			
<b>SECTIO</b>	N 12 Disposal cor					
13.1	<b>Waste treatmen</b>		5			
13.1	Waste deather	i methods				
	Product/Packag	ing disposal	:			
13.1.1.						
13.1.1.	Submit for dispo Protection.	osal to the le	egal person autho	rized by the Ministr	y of Environmental	and Nature
	Protection.		egal person autho		y of Environmental	and Nature
	Protection. Waste codes/wa	iste designa	tions according to			
13.1.2.	Protection. Waste codes/wa 15 01 10*: Packa	iste designa iging that co	tions according to	) Law:		
13.1.1. 13.1.2. 13.1.3.	Protection. Waste codes/wa 15 01 10*: Packa substances	iste designa iging that co t – relevant	tions according to	) Law:		
13.1.2.	Protection. Waste codes/wa 15 01 10*: Packa substances Waste treatment	iste designa iging that co t – relevant available	tions according to ontains residual ha	) Law:		



Packing group:

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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:	Not subject to transport regulations
UN proper shipping name:	-
Transport hazard class(es):	-
Packing group:	-
Environmentally hazardous:	-
Special precautions for user:	-
Further 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:	-	
	Other EU regulations:	<ul> <li>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 (EC) 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;</li> <li>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;</li> <li>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;</li> <li>REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);</li> </ul>	



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Trading name:			GOLD CHLORIDE, 0.6%	<b>% SOLUTION</b>		
Product	code:	ZK06-OT-X**	Date of compilation:	21 Dec 2022	Version:	2
	National le	egislation:	Chemicals Act, Regulation on classi dangerous substances, Ordinance of and on biological limit values, Regu classification of waste with a waste Ordinance on writing Material safet Substances Act	on occupational exp ulation on categorie catalog and list of	posure limit value es, types and hazardous waste,	

	Substances Act	
15.2	Chemical safety assessment	
	None	

SECTIO	N 16. Other information		
16.1	Indication of changes:	-	
16.2	Abbreviations and acronyms:	<ul> <li>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)</li> <li>IMDG: International Maritime Code for Dangerous Goods</li> <li>IATA: International Air Transport Association</li> <li>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</li> <li>EINECS: European Inventory of Existing Commercial Chemical Substances</li> <li>CAS: Chemical Abstracts Service (division of the American Chemical Society)</li> <li>DNEL: Derived No-Effect Level (UK REACH)</li> <li>LC50: Lethal concentration, 50 percent</li> <li>LD50: Lethal dose, 50 percent</li> <li>PBT: Persistent, Bioaccumulative and Toxic</li> <li>vPvB: very Persistent and very Bioaccumulative</li> </ul>	
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)		
Classific	cation	Classification procedure	
-		-	
16.5.	. Relevant H statements (number and full text)		
	H: -	-	
16.6.	Training advice:	-	
16.7.	Further information:** "X" in the product code marks different volumes (different packagings 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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