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Trading name:	BIOWAX PLUS 56/58				
Product code:	BWPLUS-X**	Date of compilation:	14 November 2022	Version: 5	

1.1.	Product identifier			
	Trading name:	BIOWAX P	LUS 56/58	
	Chemical name:	-		
	Catalogue number:	BWPLUS-X	**	
1.2.	Relevant identified uses	of the subs	stance or m	nixture and uses advised against
	Uses:			nal blend of paraffin wax and plastic polymers with point at 56/58°.
	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: Bio		Gnost Ltd.	
	Address:	Me	djugorska 59, Zagreb	
	Telephone number:	+38	385 1 2409997	
	Fax no.:	+38	385 1 2404039	
	e-mail of competent pe	erson: <u>msc</u>	nsds@biognost.hr	
	National contact: -			
1.4.	Emergency telephone number			
	National Protection and	d Rescue Dir	ectorate:	112
	Medical information:			+385 1 2348 342
	Other information:			_

SECTION	SECTION 2. Hazards identification					
2.1.	Classification of the substance or r	nixture				
2.1.1.	Classification according to Regulat	ion (EC) No	1272/2008 (CLP)			
	Hazard class and category code: Hazard statements*:					
	Not identified as hazardous substa	ince.	-			
2.1.2.	Additional information					
	-					
*For full	text of Hazard- and EU Hazard-state	ments: see S	ection 16			
2.2.	Label elements					
	Product identification: B	IOWAX PLU:	5 56/58			
	Identification number: -					



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	Authorization no.:	-			
	Hazard pictograms:				
	Signal word:	-			
	Hazard statements:				
	Precautionary statements:	-			
	Supplemetal hazard information (EU):	-			
2.3.	Other hazards				
	Endocrine Disrupting Properties:				
	No known endocrine disrupting p	No known endocrine disrupting properties.			
	PBT: This product is not identified as a PBT/vPvB Substance according to REACH Annex XIII.				

SECTION 3. Composition/information on ingredients					
CAS/ EC/ Index no.	REACH Registration No	Weight % content (or range)	Identification name	Classification according to Regulation (EC) No 1272/2008 (CLP)	
8002-74-2/ 232-315-6/ -	01- 02119488076-30	90-100 %	paraffin wax	-	
9003-27-4/ 618-360-8/ -	-	< 1	polymer	-	

SECTIO	ECTION 4. First aid measures				
4.1.	Description of first aid measures				
	General notes:	-			
	Following inhalation:	Carry the afflicted person out of the contaminated area into a well-ventilated area or out for fresh air. If breathing becomes erratic or it stops, immediately apply artificial respiration (other than mouth-to-mouth) and contact a physician.			
	Following skin contact:	Remove contaminated clothing. Immediately wash with plenty of water and soap. Seek medical assistance if the symptoms of irritation remain.			
	Following eye contact:	Rinse out with plenty of water with the eyelid held wide open using clean fingers. If the symptoms remain, immediately call a physician.			
	Following ingestion:	Do not induce vomiting. Make the afflicted person drink a glass of water. If spontaneous vomiting occurs, wash the mouth with water, then make the person drink 100-200 ml of water and seek medical attention.			
	Self-protection of the first aider:	Treat symptomatically.			



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4.2.	Most important sympton	Most important symptoms and effects, both acute and delayed			
	Following inhalation:	Following inhalation: High concentration of vapours may induce: Headache, nausea, dizziness. Irritant effect to the respiratory tract.			
	Following skin contact:	Following skin contact: May cause slight irritation to the skin. Heated product may cause burns.			
	Following eye contact: May cause slight irritation to eyes.				
	Following ingestion:	May cause nausea.			
4.3.	Indication of any immedi	Indication of any immediate medical attention and special treatment needed			
	In contact with or splashe	ed by melted product, quickly cool area with water.			

SECTIO	ON 5. Firefighting measures				
5.1.	Extinguishing media				
	Suitable extinguishing media:	Foam, dry chemical powder, CO ₂			
	Unsuitable extinguishing media:	water			
5.2.	Special hazards arising from the substance or mixture				
	Hazardous combustion products:	Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.			
5.3.	Advice for firefighters				
	Only suitably trained personnel should attempt to tackle fires. Breathing apparatus and protective clothing should be worn. Do not remain in the immediate vicinity without respiratory protective equipment and protective clothing.				
5.4.	Additional information	١			
	Remove sources of he	at and ignition. Do not contaminate the environment with extinguishing media.			

SECTIO	SECTION 6. Accidental release measures					
6.1.	Personal precautions, protective e	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 members without protective equipment. Remove all sources of sparks and ignition. Do not smoke.				
	Emergency procedures:	Mark the area using proper signs.				
6.1.2.	For emergency responders:	For emergency responders:				
	Wear suitable protective clothing and breathing apparatus. See section 8. Stop leak if safe to do so. Remove sources of ignition					
6.2.	Environmental precautions:					



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	Water may be used to flush spills away from sources of ignition. Prevent spreading by damming. Do not allow the product to enter public drainage system or open water course. Avoid release to the environment.					
6.3.	Methods and material	for containment and cleaning up				
6.3.1.	Bunding, covering of drains; capping procedures:	drains; capping Stop leak if safe to do so. Use damming system to prevent spreading.				
6.3.2.	Cleaning up:	Use sand or active clay to absorb spilled substance and remove to containers for disposal. When in liquid state, cool and allow to solidify.				
6.3.3.	Other information:	-				
6.4.	Reference to other sec	Reference to other sections				
	See Section 7 for information about secure handling.					
	See Section 8 for infor	See Section 8 for information about personal protective equipment.				
	See Section 13 for info	ormation about containment.				

SECTIO	N 7. Handling and storage					
7.1.	Precautions for safe handling					
7.1.1.	Protection measures					
	Measures to prevent fire:	Keep away from sources of heat and ignition. Do not smoke.				
	Measures to prevent aerosol and dust generation:	Secure proper ventilation.				
	Measures to protect the environment:	Prevent spilling into the sewage system and waterways.				
	Other measures:	-				
7.1.2.	Advice on general occupational hygiene:					
	Do not eat, drink or smoke in the workspace. Th	oroughly wash hands after work and before eating.				
7.2.	Conditions for safe storage, including any incom	patibilities				
	Technical measures and storage conditions:	Keep in tightly closed and upright set containers in a well ventilated storage rooms, and away from sources of heat, sunlight, and other incompatible substances.				
	Packaging materials:	Manufacturer's original packaging.				
	Requirements for storage rooms and vessels:	Keep away from food and drink. Keep the containers tightly closed.				
	Advices for storage equipment:	The storage must be made of hard material; floors must be resistant to chemicals. There must be no drain that directly leads into sewage system. Secure proper ventilation.				



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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 9).
7.3.	Specific end use(s)	
	Recommendations:	-
	Industrial sector specific solutions:	-

SECTION 8. Exposure controls/personal protection								
8.1.	Control parameter	rs						
Substance		CAS N	lo	Occupational exposure limit values/short term values		Bio	Biological limit values	
D (()		2222 7	4.0	ppm	mg/m³	N . C		
Paraffin w	ax, smoke	8002-7	4-2	-/-	2/6	No inforr	mation available	
Substance name: CAS								
DAIFI			lo:					
DNEL								
				Industrial				
Route of exposure:		Acut e effec t local	Acute effect systemic		Chror effect l		Chronic effect systemic	
Oral		-	-		-		-	
Inhalation		-	-		-		-	
Dermal		-	-		-		-	
Critical ph	ysical parameters:	solubility, fla	mmabili	ty, corrosivity:	-			
				Consumer	<u> </u>			
Route of exposure: Acut e effec t local			Chror effect l		Chronic effect systemic			
Oral		-	-		-		-	
Inhalation		-	-		-		-	
Dermal		_	_		_		_	



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PNEC						
Environme	ental protection target			PNEC		
Fresh water				No information available		
Freshwater sediments				No information available		
Marine wa	ter			No information available		
Marine sed	diments			No information available		
Food chair	า			No information available		
Microorga	nisms in sewage treatn	nent		No information available		
Soil (agric	ultural)			No information available		
Air				No information available		
8.2.	Exposure controls					
8.2.1.	Appropriate engine	eering contro	ls			
	Substance/mixture related measures to prevent exposure during identified uses: Structural measures to prevent exposure:		Use the product in well ventilated rooms. Use personal protective equipment. Do not eat, drink or smoke in the workspace.			
			No information available			
			Organization of work in order to reduce other worker's influence during work process.			
	Technical measures exposure:	s to prevent		proper workspace ventilation in order to keep tration levels in air below permitted levels.		
8.2.2.	Personal protection	n equipment				
8.2.2.1.	Eye and face proted	ction:	Safety ovisor.	glasses that stick to face (preventing splashing) (EN 166) or		
8.2.2.2.	Skin protection					
	Hand protection:	standard EN 374. Glove mater		ust be according to the EU Directive 2016/425/EEC and rial: nitrile rubber ness: ≥0.50 mm		
				gh time: >480 min		
	Other skin protection:	Wear antistatic cloth		ning made of natural fibers (such as cotton) with long and shoes that cover the entire foot (EN 10335).		
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) according to EN 14387) used when concentration levels exceed GVI.				
8.2.2.4.	Thermal hazards:	No information available				
8.2.3.	Environmental expo	osure control	S			



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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

1.	Information on basic physical and chemical properties					
		Value	Method			
	Physical state:	solid (pellets)	No information available			
	Color:	transparent white	No information available			
	Odour/odour threshold:	no odor/no information available	No information available			
	Melting point / freezing point:	56 – 58 °C	No information available			
	Boiling point or initial boiling point and boiling range:	>300°C	No information available			
	Flammability:	May be combustible at high temperatures	No information available			
	Lover and upper explosion limit:	No information available	No information available			
	Flash point:	>200°C	No information available			
	Auto-ignition temperature:	>200°C	No information available			
	Decomposition temperature:	No information available	No information available			
	рН:	No information available	No information available			
	Kinematic viscosity:	~4.0 cSt (at 100°C)	No information available			
	Solubility:	Insoluble	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			
9.2.	Other information					



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SECTIO	SECTION 10.: Stability and reactivity				
10.1.	Reactivity:	See subsections 10.3 through 10.5.			
10.2.	Chemical stability:	The product is chemically stable under standard ambient conditions of storing and using.			
10.3.	Possibility of hazardous reactions:	No information available.			
10.4.	Conditions to avoid:	Extremes of temperature (preferably, store between 5 and 39°C). The product is combustible when heated >300°C.			
10.5.	Incompatible materials:	May react with strong oxidants (e.g. chlorates, peroxides).			
10.6.	Hazardous decomposition products:	Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.			

SECTION	l 11. Toxic	ological info	rmation					
11.1.	Informat	ion on hazard	classes as c	lefined in Regu	lation (EC) No 1	1272/2008		
	Acute to	xicity:						
Route of exposure		Method		Species	Effective Dose LD ₅₀ /LC ₅₀ or ATE _{mixture}	Exposure t	ime	Results
Oral expo	osure:	No informa available		-	LD ₅₀	-		>5000mg/kg (OECD 401)
Dermal e	exposure:	No informa available		-	LD ₅₀	-		>2000mg/kg (OECD 402)
Inhalatio exposure		No informa available		-	LC ₅₀	-		-
	Specific t	target organ to		gle exposure (S ific effects		t organ		Note
Oral expo	osure:		No available	information	No informati	No information available -		
Dermal e	exposure:		No available	information	No informati	on available	_	
Inhalation exposure: No available		No available	information	No information available		_		
	:							
	Aspiratio	n hazard:		No informat	ion available			
	Irritation	and corrosion	n:					



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Product code:		BWPLUS-X**	Date	Date of compilatio		14 November 2022		.022	Version:	5
Skin - irritation:			ra	abbit	-	-		-		
Eye irritation:			ra	abbit	-	-		_		
C	:.::									
Dermal exposur	itizatio	No information av	vailahle							
Inhalation exposure:		No information av								
Sym	ptoms	related to the ph	nysical, che	mical and t	oxicolc	gical chara	acteristic	S		
Oral exposure:		Diarrhoea, gast	rointestina	l complaint	ts					
Dermal exposur	re:	No information	available							
Inhalation expo	sure:	No information	available							
Eye exposure:		No information	available							
Rene	aatad (dose toxicity (sub	acute sub	chronic chr	onic)					
Кере	ateu (Exposure		Offic)					
		Dose	time	Species		Method	E	valuation	Note	
Subacute oral	No ava	information ilable	No informati on available	No informat available		No informati available	on ir	lo nformation vailable	ı -	
Subacute dermal	No ava	information ilable	No informati on available	No informat available		No informati available	on ir	lo nformation vailable	-	
Subacute inhalation	No ava	information ilable	No informati on available	No informat available		No informati available	on ir	lo nformation vailable	1 -	
Subchronic oral	No ava	information ilable	No informati on available	No informat available		No informati available	on ir	lo nformation vailable	-	
Subchronic dermal	No ava	information ilable	No informati on available	No informat available		No informati available	on ir	lo nformation vailable	-	



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Subchronic inhalation	No informat available	informati information in		No information available	No informati available	on	-		
Chronic oral	No informat available	information lable		No informat available	_	No information available	No informati available	on	-
Chronic dermal	No information available		No informati on available	No informat available		No information available	No informati available	on	-
Chronic inhalation	No informat available			No informat available		No information available	No informati available	on	-
Speci	fic target organ to	oxicit	· ·		(STO				
				ects Target organ		an		Note	
Subacute oral		No ava	inf ilable	ormation	No i	nformation avai	lable	_	
Subacute dermal		No ava	information ailable		No i	nformation avai	lable	-	
Subacute inhalat	ion	No ava	information ailable		No i	nformation avai	lable	-	
Subchronic oral		No ava	information ailable		No i	nformation avai	lable	-	
Subchronic derm	nal	No ava	information		No information available		lable	-	
Subchronic inhal	lation	No ava	o information vailable		No information available		lable	-	
Chronic oral		No ava	inf ilable	ormation	No information available		lable	-	
Chronic dermal		No ava	inf ilable	ormation	No information available		lable	-	
Chronic inhalation		No ava	inf ilable	ormation	No i	nformation avai	lable	_	
CMR	effects (carcinoge	nicit	y; mutagenio	city; reproc	ductive	e toxicitv)			
	nogenicity:					nimals did not ir	ndicate carc	inoge	enic effects.
	genicity <i>in-vitro</i> :					d not indicate			



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	Genotoxicity:	No information available					
	Mutagenicity in-vivo:	Current in vivo tests did not indicate mutagenic effects.					
	Germ cell mutagenicity: No information available						
	Reproductive toxicity: No toxicity on reproductive organs was determined in reproductive organs.						
		,					
	Summary of evaluation of the CMR properties:						
11.2.	Information on other hazards	5:					
11.2.1.	Endocrine disrupting propert	Endocrine disrupting properties:					
	No known endocrine disrupting properties that affect human health.						
11.2.2.	Other informations:						
	-						

SECTION 12	. Ecological inform	ation				
12.1. To	oxicity					
Acute toxicity	Dose	Exposure time	Species	Method	Evaluation	Note
Fish	LC ₅₀	96 hours	Pimephales promelas	No information available	-	>100mg/l
Crustacea:	EC ₅₀	48 hours	Daphina magna	No information available	-	>10000mg/l
Algae/aqua tic plants	IC ₅₀	8 days	No information available	No information available	-	_
Microorga nisms	LC ₅₀	72 hours	-	-	-	_
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/aqua tic plants	IC ₅₀	72 hours	No information available	No information available	No information available	-



SAFETY DATA SHEET According to Regulation (EC) No. 1907/2006

amended by Regulation (EU) No. 2020/878

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	Chronic eco	toxicity							
	Value	Dose	Exposure time	Spe	cies	Met	hod	Evaluatio	on Note
Chronic to	oxicity on fish	LC ₅₀	No information available	No inform availat	1	No inform availab	ation i	No nformatio available	n -
Chronic to	oxicity on (<i>Daphnia</i>)	EC ₅₀	No information available	No inform availat		No inform availab	ation i	No nformatio available	n -
12.4	NA a la ilita di la	:1							
12.4.	Mobility in s		ution in environ	montal	compa	rtmonto			
	•	tion available	ution in environ	ııııcııldı	сотпра	ıı tırıerits	•		
	Surface tens								
	Value	°C	Concentra	tion		Metho	od		Note
No informatio inform		_	No information available		No information available		-		
		/ desorption							
Transport	•	O coefficient ry's constant	log Kow		•	ration ite	Met	hod	Note
Soil-wate	No availa	information ble	No information available		intormation		No infor available		-
Water-air	No availa	information ble	ormation No information available		No inform availab	ormation No Information			-
No information No information available available		ation	No inform availab		No infor available		-		



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12.6.	Endocrine disrupting properties
12.0.	No known endocrine disrupting properties that affect the environment.
	The killetin ended his dishapang properties that anect the environment.
12.7.	Other adverse effects
	No adverse effects are expected.
	•
SECTIO	N 13. Disposal considerations
13.1.	Waste treatment methods
13.1.1.	Product/Packaging disposal:
	Submit for disposal to the legal person authorized by the Ministry of Environmental and Nature Protection.
13.1.2.	Waste codes/waste designations according to Law:
	No information available
13.1.3.	Waste treatment – relevant information:
	No information available
13.1.4.	Sewage disposal – relevant information:
	Waste must not be disposed of into the sewage system.
13.1.5.	Other disposal recommendations:
	Do not dispose of the product's remains into the sewage system. Submit the remains to the collectors authorized by the ministry in charge. Do not dispose of the packaging into the sewage system. Submit the packaging to the collectors authorized by the ministry in charge. Do not dispose of in places where ignition may occur.
13.1.6.	Relevant Community provisions:
	-
_	
SECTIO	N 14. Transport information

Transporting/shipment by road (ADR)			
UN number:	Not subject to transport regulations.		
UN proper shipping name:	-		
Transport hazard class(es):	-		
Packing group:	-		



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Environmentally hazardous:		-		
Special precautions	for user:	-		
Transpo	rting/shipment by ra	ail (RID)		
UN number:		Not subject to transport regulations.		
UN proper shipping	g name:	-		
Transport hazard cl	ass(es):	-		
Packing group:		-		
Environmentally ha	zardous:	-		
Special precautions	for user:	-		
Inland w	vaterway transport (A	ADN)		
UN number:		Not subject to transport regulations.		
UN proper shipping	g name:	-		
Transport hazard cl	ass(es):	-		
Packing group:		-		
Environmentally ha	zardous:	-		
Special precautions	for user:	-		
Transpo	rting/shipment by se	ea (IMDG)		
UN number:		Not subject to transport regulations.		
UN proper shipping	g name:	-		
Transport hazard cl	ass(es):	-		
Packing group:		-		
Environmentally ha	zardous:	-		
Special precautions	for user:			
Transporting/shipment by a		ir (ICAO-TI/IATA-DGR)		
UN number:		Not subject to transport regulations.		
UN proper shipping name:		-		
Transport hazard class(es):		-		
Packing group:		-		
Environmentally hazardous:		-		
Special precautions for user:		-		
	_			

SECTION 15. Regulatory information

Further information:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is not subject to classification.



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	EU regulations		
	Authorization and/or restrictions of use		
	Authorizations:	-	
	Restrictions:	-	
	Other EU regulations:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (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; Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC; Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work; Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII);	
	Information according 1999/13/EC about limitation of emissions of volatile organic comp guideline)		
	National legislation:	Chemicals Act, Regulation on classification, packaging and labeling of dangerous substances, Ordinance on occupational exposure limit values and on biological limit values, Regulation on categories, types and classification of waste with a waste catalog and list of hazardous waste, Ordinance on writing Material safety data sheet, Transport of Hazardous Substances Act	
15.2.	Chemical safety assessment		
	None		

SECTIO	SECTION 16. Other information			
16.1.	Indication of changes:	-		
16.2.		PBT	Stable, bioaccumulative and toxic	
		vPvB	Strongly stable and strongly bioaccumulative.	
	Abbreviations and	LD ₅₀	Lethal dose, 50%	
	acronyms:	LC ₅₀	Lethal concentration, 50%	
		STOT-SE	Specific target organ toxicity - single exposure	
16.3.	Key literature references			
	and source of data:	-		



SAFETY DATA SHEET

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

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Trading name:	BIOWAX PLUS 56/58		
Product code:	BWPLUS-X**	Date of compilation: 14 November 2022	Version: 5

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)		
	H: -	-	
16.6.	Training advice:	-	
		** "X" in the product code marks different volumes (different packagings of the product)	
16.7.	Further information:	We are not responsible for consequences in case of failure to comply with instructions for use or improper use of the product described in this material safety data sheet.	

ANNEX: Exposure scenario resulting to Chemical safety assessment