

1470605

		Printing date: 25.04.20
SECTION 01: Identifi	cation of the substance/mixture and of the	e company/undertaking
1.1 Product identifier		
<ul> <li>Trade name: BLACK PEPPER SELEC</li> <li>Article number: P83631009000</li> <li>CAS Number: 8006-82-4</li> <li>EC Number: 284-524-7</li> <li>No CAS EINECS: 84929-41-9</li> </ul>	FION OIL	
	d uses of the substance or mixture and uses adv stance / the preparation	vised against
1.3 Details of the sup Manufacturer/Supplie BIOLANDES, BP2 2760 Route de Bélis 40420 LE SEN FRANCE	TEL: +33(0)5.58.51.00.00	
1.4 Emergency telept FR-ORFILA (INRS):+33(		
GHS08		
Asp. Tox. 1 - H304 M	ay be fatal if swallowed and enters airways.	
GHS02		
Flam Lig 3 - H226 F		
	ammable liquid and vapour.	
GHS07	ammable liquid and vapour.	
GHS07 Skin Irrit. 2 - H315 C		
GHS07 Skin Irrit. 2 - H315 C	auses skin irritation.	
GHS07 Skin Irrit. 2 - H315 C Skin Sens. 1B - H317	auses skin irritation.	
GHS07 Skin Irrit. 2 - H315 C Skin Sens. 1B - H317 GHS09 Aquatic Chronic 2 - H effects. 2.2 Label elements	auses skin irritation. May cause an allergic skin reaction.	
GHS07 Skin Irrit. 2 - H315 C Skin Sens. 1B - H317 GHS09 Aquatic Chronic 2 - H effects. 2.2 Label elements Labelling according	auses skin irritation. May cause an allergic skin reaction. 411 Toxic to aquatic life with long lasting	
GHS07 Skin Irrit. 2 - H315 C Skin Sens. 1B - H317 GHS09 Aquatic Chronic 2 - H effects. 2.2 Label elements Labelling according	auses skin irritation. May cause an allergic skin reaction. 411 Toxic to aquatic life with long lasting	



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Р	PRODUCT : B	LACK PEPPER SELECTION OIL	
	<ul> <li>H304 May be fa</li> <li>H315 Causes sk</li> <li>H317 May cause</li> <li>H411 Toxic to a</li> <li>Precautionary</li> <li>P210 Keep awa</li> <li>P233 Keep cont</li> <li>P240 Ground ar</li> <li>P301+P310 IF S</li> <li>P403+P235 Sto</li> <li>P501 Dispose o</li> <li>2.3 Other hazar</li> <li>Results of PB</li> <li>PBT:</li> <li>Not applicable.</li> <li>VPVB:</li> <li>Not applicable.</li> <li>Determination</li> </ul>	le liquid and vapour. tal if swallowed and enters airways. cin irritation. e an allergic skin reaction. equatic life with long lasting effects. r statements y from heat, hot surfaces, sparks, open flames and other ignit ainer tightly closed. nd bond container and receiving equipment. SWALLOWED: Immediately call a POISON CENTER/ doctor. re in a well-ventilated place. Keep cool. f contents/container in accordance with local/regional/ national ds T and vPvB assessment n of endocrine-disrupting properties	
		medients is listed.	
2	3.1 Substances CAS No. 8006-82-4 • Identification • EC number: 284-524-7	Description Piper nigrum L.	
	Dangerous co	omponents:	
	CAS Number 5989-27-5	<b>d-limonene</b> EC number: 227-813-5 � Asp. Tox. 1 - H304; � Flam. Liq. 3 - H226; � Skin Irrit. 2 - H315, Skin	% 20,001-50,00
	80-56-8	Sens. 1B - H317;	10,001-20,00
	127-91-3	- H226; (I) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 <b>BETA-PINENE</b> EC number: 204-872-5 (I) Asp. Tox. 1 - H304; (I) Flam. Liq. 3	10,001-20,00
	87-44-5	<ul> <li>H226;  Skin Irrit. 2 - H315, Skin</li> <li>Sens. 1B - H317</li> <li>BETA-CARYOPHYLLENE</li> <li>EC number: 201-746-1</li> <li>Asp. Tox. 1 - H304;  Skin Sens.</li> </ul>	10,001-20,00
	123-35-3	<ul> <li>✓ Asp. Tox. 1 - H304; ✓ Skin Sens.</li> <li>1B - H317</li> <li>Myrcene</li> <li>EC number: 204-622-5</li> </ul>	1,001- 5,000
		🚸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	(continued on page 3)



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	<b>PRODUCT</b> :	BLACK PEPPER SELECTION OIL	
			(continued of page 2)
		- H226; 🚸 Skin Irrit. 2 - H315, Eye	
		Irrit. 2 - H319	
*	586-62-9	TERPINOLENE	0,101-1,000
		EC number: 209-578-0	
		🚸 Asp. Tox. 1 - H304; 🚸 Skin Sens.	
*		1B - H317; 🚸 Aquatic Acute 1 - H400	
*		(M=1), Aquatic Chronic 1 - H410 (M=1)	
*	78-70-6	LINALOOL	0,101-1,000
		EC number: 201-134-4	
		🚸 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
		H319, Skin Sens. 1B - H317	

#### SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
- Seek immediate medical advice. After inhalation:
- Supply fresh air and to be sure call for a doctor.
- After skin contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
- Seek immediate medical advice.
- Information for doctor:

 $4.2\ \text{Most}$  important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

#### SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water. Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:
- Water with full jet

5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

- Protective equipment:
- Do not inhale explosion gases or combustion gases.
- Additional information
- Cool endangered receptacles with water spray.

#### SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
 Wear protective equipment. Keep unprotected persons away.
 Ensure adequate ventilation
 Keep away from ignition sources.

6.2 Environmental precautions:



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PRODUCT :	BLACK PEPPER SELECTION OIL	
Do not allow	product to reach cowage system or any water course	(continued of page 3)
	product to reach sewage system or any water course. ctive authorities in case of seepage into water course or sewage system.	
	s and material for containment and cleaning up:	
	aminated material as waste according to item 13.	
Ensure adequ	ate ventilation.	
6.4 Referen	ce to other sections	
	' for information on safe handling.	
	B for information on personal protection equipment.	
See Section 1	3 for disposal information.	
SECTION 07:	Handling and storage	
	ions for safe handling cles tightly sealed.	
	om heat and direct sunlight.	
	ventilation/exhaustion at the workplace.	
Handle with o	are. Avoid jolting, friction and impact.	
	on about fire - and explosion protection:	
1 5	ion sources away - Do not smoke.	
Protect age	ainst electrostatic charges.	
7.2 Condition	ons for safe storage, including any incompatibilities	
Storage:		
	ients to be met by storerooms and receptacles:	
	in the original receptacle. y seepage into the ground.	
	eceptacles specifically permitted for this substance/ product.	
	on about storage in one common storage facility:	
Not require		
	nformation about storage conditions:	
	ainer tightly sealed. m heat and direct sunlight.	
	ptacle in a well ventilated area.	
7.3 Specific	end use(s)	
	evant information available.	
SECTION 08:	Exposure controls/personal protection	
8.1 Control	parameters	
	its with limit values that require monitoring at the workplace:	
Not require	ed.	
	l information:	
The lists v	alid during the making were used as basis.	
8.2 Exposur	re controls	
	l protection measures, such as personal protective equipment	
	protective and hygienic measures:	
	precautionary measures are to be adhered to when handling chemicals.	
	r from foodstuffs, beverages and feed. ely remove all soiled and contaminated clothing	
	is before breaks and at the end of work.	
	act with the skin.	
	pry protection:	
	le respiratory protective device in case of insufficient ventilation.	
Protection		
Protective The alove	gloves material has to be impermeable and resistant to the product/ the substance/ the	e preparation.
	ssing tests no recommendation to the glove material can be given for the pro-	
chemical r	nixture.	
	of the glove material on consideration of the penetration times, rates of diffusion	n and the degradation
<ul> <li>Material ( The select</li> </ul>	Df GloVeS ion of the suitable gloves does not only depend on the material, but also on fu	ther marks of quality and

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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	PRODUCT : BLACK PEPPER SELECTION OIL
	(continued of page 4)
	Penetration time of glove material
	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
*	Eye/face protection
*	Safety glasses
*	Body protection:
*	Impervious protective clothing
*	Boots

9.1 Information on basic physical and chemic	al properties			
General Information				
Physical state	Fluid			
Colour:	pale yellow to pale blue-green			
Odour:	pepper			
Odour threshold:	Not determined.			
Boiling point or initial boiling point and boiling range	Not determined.			
Flammability	Not determined.			
Lower and upper explosion limit				
Lower:	Not determined.			
Upper:	Not determined.			
Flash point:	49,0 °C NFT 60-103 CC			
Decomposition temperature:	Not determined.			
pH	Not determined.			
Viscosity:				
Kinematic viscosity	at 40,00 °C 6,00 mm2/s			
Dynamic:	Not determined.			
Solubility				
water:	Not determined.			
Partition coefficient n-octanol/water (log value)	Not determined.			
Vapour pressure:	Not determined.			
Density and/or relative density				
Density:	Not determined.			
Relative density	0,8670 0,8870 D20/20			
Vapour density	Not determined.			
9.2 Other information	No further relevant information available.			
Appearance:				
Form:	fluid			
Important information on protection of health	and environment, and on safety.			
Auto-ignition temperature:	Not determined.			
Explosive properties:	Not determined.			
Solvent content:				
Solids content:	0,00 %			
Change in condition				
Evaporation rate	Not determined.			
Information with regard to physical hazard cla	asses			
Explosives	not applicable			
Flammable gases	not applicable			
Aerosols	not applicable			
Oxidising gases	not applicable			
Gases under pressure	not applicable			



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		(continued of page 5)
Flammable liquids	Flammable liquid and vapour.	
Flammable solids	not applicable	
Self-reactive substances and mixtures	not applicable	
Pyrophoric liquids	not applicable	
Pyrophoric solids	not applicable	
Self-heating substances and mixtures	not applicable	
Substances and mixtures, which emit flammable gases in contact with water	not applicable	
Oxidising liquids	not applicable	
Oxidising solids	not applicable	
Organic peroxides	not applicable	
Corrosive to metals	not applicable	
Desensitised explosives	not applicable	

#### SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Not determined.

<ul><li>11.1 Information</li><li>Acute toxicity</li></ul>	on on hazard classes as defined in Regulation (EC) N V	lo 1272/2008
<ul> <li>LD/LC50 valu</li> </ul>	les relevant for classification:	
		ISO LD/LC
<b>5989-27-5</b> Oral, LD50: 44	<b>(R)-p-mentha-1,8-diene</b> 00 mg/kg (rat)	
87-44-5 Oral, LD50: >	BETA-CARYOPHYLLENE 5000 mg/kg (rat) (Hart and Wong 1971)	
Dermal, LD50: Primary irrita Skin corrosio Irritant to skin Causes skin irr Serious eye No irritating ef	n/irritation and mucous membranes. itation. damage/irritation fect. or skin sensitisation effects known.	
87-44-5 OECD 471 AME	BETA-CARYOPHYLLENE S: NEGATIVE (in vitro) (Heck and al., 1989)	
78-70-6 OECD 471 AME • Carcinogenic	LINALOOL S: NEGATIVE (in vitro) (Letizia and al., 2007) ity	



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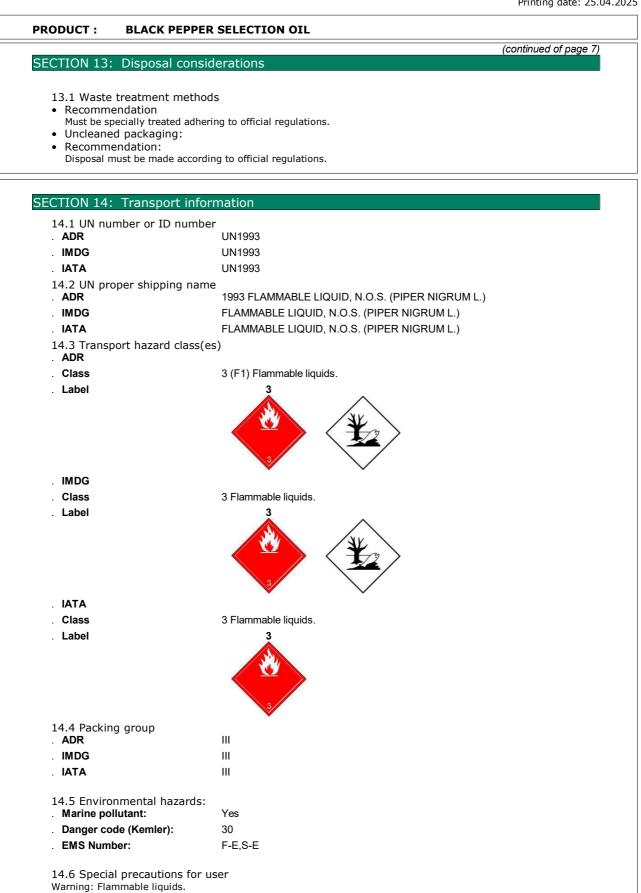
		Printing date: 25.04.
PRODUCT :	BLACK PEPPER SELECTION OIL	
		(continued of page 6)
78-70-6	LINALOOL	
	yau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)	
	yau: NEGATIVE (in vitro) (DiSotto and al., 2011)	
	uctive toxicity ermined.	
	ingle exposure	
Not dete		
<ul> <li>STOT-r</li> </ul>	epeated exposure	
Not dete		
	ion hazard	
	atal if swallowed and enters airways.	
	atal if swallowed and enters airways. te to chronic toxicity:	
87-44-5	BETA-CARYOPHYLLENE	
	DAEL: 700 mg/kg (rat) (90 days Schmitt 2016) formation on other hazards	
	ne disrupting properties	
	of the ingredients is listed.	
None	Ji the ingreatents is fisted.	
	2: Ecological information	
12.1 Toxi	,	
<ul> <li>Aquation</li> </ul>	-	
5989-27-5		
	,71 mg/l (fish) (OECD 203)	
123-35-3	Myrcene	
	,51 mg/l (fish) (OECD 203)	
	th: 0,65 mg/l (daphnia)	
78-70-6		
	7,8 mg/l (fish) ((OECD 203) RIFM 1991) -72h): 156,7 mg/l (algae)	
ErC50(0	-48h): 59 mg/l (daphnia) ((OECD 202)	
12.2 Pers	istence and degradability	
	relevant information available.	
	our in environmental systems:	
Not dete	ermined.	
12.3 Bioa	ccumulative potential	
No further	relevant information available.	
12.4 Mob	lity in soil	
No further	relevant information available.	
12.5 Resi	Ilts of PBT and vPvB assessment	
<ul> <li>PBT:</li> </ul>		
Not app	icable.	
<ul> <li>vPvB:</li> </ul>		
Not app		
	ocrine disrupting properties	
i ne produc	t does not contain substances with endocrine disrupting properties.	
12.7 Othe	r adverse effects	
	relevant information available.	
	cal effects:	
Not dete	ermined.	
<ul> <li>Remark</li> </ul>		
Toxic fo		
	nal ecological information:	
Genera		
	r aquatic organisms erial is harmful to the environment.	
— EU —		
		(continued on page 8)



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PRODUCT :	BLACK PEPPE	R SELECTION OIL		
				(continued of page 8)
14.7 Maritir Not applicabl		ulk according to IMO inst	ruments	
• Transpor . <b>ADR</b>	t/Additional infor	mation:		
. Excepted	quantities (EQ):	E1		
. Limited qu	antities (LQ)	5L		
. Transport	category	3		
. Tunnel res . IMDG	striction code	D/E		
. Limited qu	uantities (LQ)	5L		
	quantities (EQ)	E1		
	el Regulation":			
UN 1993 F	ELAMMABLE LIQUID	, N.O.S. (PIPER NIGRUM L.), DUS	3, III,	
ECTION 15:	Regulatory in	formation		
15.1 Safety • DIRECTI\	, health and env /E 2011/65/EU o	ironmental regulations/le n the restriction of the us	gislation specific for the s se of certain hazardous su	
	ronic equipment			
	ie ingredients is list TION (EU) 2019/1			
			(Upper limit value for the	e purpose of licensing
under Ar	ticle 5(3))			
	e ingredients is list	ed. XPLOSIVES PRECURSORS	-	
	e ingredients is list		5	
		004 on drug precursors		
	e ingredients is list			
Commun		ntries in drug precursors	r the monitoring of trade	between the
National	regulations:			
<ul> <li>Technica</li> </ul>	l instructions (air	):		
<ul> <li>Class Sha</li> </ul>	are in %	,		
I	0,03			
Waterhaz	zard class.			
		sessment): hazardous for wa	ter.	
	cal safety assess afety Assessment h	ment: as not been carried out.		
	Other informa	ation		
information i to be conside areas thereof	n this sheet must b ered a warranty or . The information co	e regarded as a description of quality specification and ha ontained in this safety data s	e state of our knowledge at of the safety requirements for ve no contractual value on p heet relate to the specific mal hear preduct or process unlose	the product, they are not properties and application terial designated and may
of this docum	nent.		ther product or process, unles	
applying all t • Relevant	he national regulati	ons in force.		
H226	Flammable lie	quid and vapour.		
H302 H304	Harmful if sw May be fatal i	allowed. f swallowed and enters airwa		
H304 H315	Causes skin i		193.	
H317		allergic skin reaction		

- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.

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	PRODUCT :	BLACK PEPPER SELECTION OIL
	H410 H412	<i>(continued of page 9)</i> Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
* * *	purpose of labeling of Date of p 19.12.202	training in occupational risk prevention is recommended for personnel who will handle this product, in the facilitating the understanding and interpretation of this form of safety data in the same way as the f the product. The product.
	IFRA:Intel ADR: Acco the Interm RID: Règle Concernin IMDG: Int DOT: US I IATA: Intel ICAO: Intel GHS: Glot EINECS: E ELINCS: E CAS: Cher LC50: Lett PBT: Persi	tions and acronyms: mational Fragrance Association IOFI:International Organization of the Flavor Industry ord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning ational Carriage of Dangerous Goods by Road) ement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations g the International Transport of Dangerous Goods by Rail) ernational Maritime Code for Dangerous Goods Department of Transportation ernational Air Transport Association ernational Civil Aviation Organisation bally Harmonised System of Classification and Labelling of Chemicals turopean Inventory of Existing Commercial Chemical Substances iuropean List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) hal concentration, 50 percent hal dose, 50 percent stent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative
	Sources     IFRA/IOFI	Labelling Manual, REACH registration dossier, supplier information
	• * Data co	ompared to the previous version altered.