

# ARONIA BERRY HEMPSEED #EU41183F

REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Issue date: 2/5/2020

Revision date: 10/9/2024

Supersedes version of: 11/13/2023

Version: 1.1

ALLERGENS								
Reference number	Name of common ingredients glossary	CAS-No.	EC-No.	Allergen % in product				Comments
				% in w/w Direct addition	% in w/w From Essential oil(s)	% in w/w in the concentrate	% in w/w for a usage at - %	
84	Linalool	78-70-6	201-134-4	1.7	0	1.7	-	
87	Hexyl cinnamal	101-86-0	202-983-3	1.35	0	1.35	-	
353	Citrus Limon Peel Oil	84929-31-7 8008-56-8	284-515-8	0	0.3	0.3	-	
338	Menthol	89-78-1 1490-04-6 2216-51-5 15356-60-2	201-939-0 216-074-4 218-690-9 239-387-8	0.2	0	0.2	-	
85	Benzyl benzoate	120-51-4	204-402-9	0.13	0	0.13	-	
45	Benzyl Alcohol	100-51-6	202-859-9	Not detected	Not detected	Not detected	Not detected	
46	6-Methyl Coumarin	92-48-8	202-158-8	Not detected	Not detected	Not detected	Not detected	
67	Amyl cinnamal	122-40-7	204-541-5	Not detected	Not detected	Not detected	Not detected	
69	Cinnamyl alcohol	104-54-1	203-212-3	Not detected	Not detected	Not detected	Not detected	
70	Citral / Geranial / Neral	5392-40-5 141-27-5 106-26-3	226-394-6 205-476-5 203-379-2	Not detected	Not detected	Not detected	Not detected	
71	Eugenol	97-53-0	202-589-1	Not detected	Not detected	Not detected	Not detected	
72	Hydroxycitronellal	107-75-5	203-518-7	Not detected	Not detected	Not detected	Not detected	
73	Isoeugenol	97-54-1 5932-68-3 5912-86-7	202-590-7 227-678-2 227-633-7	Not detected	Not detected	Not detected	Not detected	
74	Amylcinnamyl alcohol	101-85-9	202-982-8	Not detected	Not detected	Not detected	Not detected	
75	Benzyl salicylate	118-58-1	204-262-9	Not detected	Not detected	Not detected	Not detected	

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76	Cinnamal	104-55-2	203-213-9	Not detected	Not detected	Not detected	Not detected	
77	Coumarin	91-64-5	202-086-7	Not detected	Not detected	Not detected	Not detected	
78	Geraniol	106-24-1	203-377-1	Not detected	Not detected	Not detected	Not detected	
80	Anise alcohol	105-13-5	203-273-6	Not detected	Not detected	Not detected	Not detected	
81	Benzyl cinnamate	103-41-3	203-109-3	Not detected	Not detected	Not detected	Not detected	
82	Farnesol	4602-84-0	225-004-1	Not detected	Not detected	Not detected	Not detected	
86	Citronellol	106-22-9 26489-01-0 1117-61-9 7540-51-4	203-375-0 247-737-6 214-250-5 231-415-7	Not detected	Not detected	Not detected	Not detected	
88	Limonene	138-86-3 7705-14-8 5989-27-5 5989-54-8	205-341-0 231-732-0 227-813-5 227-815-6	Not detected	Not detected	Not detected	Not detected	
89	Methyl 2-Octynoate	111-12-6	203-836-6	Not detected	Not detected	Not detected	Not detected	
90	alpha-Isomethyl ionone	127-51-5	204-846-3	Not detected	Not detected	Not detected	Not detected	
91	Evernia prunastri extract	90028-68-5	289-861-3	Not detected	Not detected	Not detected	Not detected	
92	Evernia furfuracea extract	90028-67-4	289-860-8	Not detected	Not detected	Not detected	Not detected	
109	Pinus Mugo Leaf Oil; Pinus Mugo Twig Leaf Extract; Pinus Mugo Twig Oil	90082-72-7	290-163-6	Not detected	Not detected	Not detected	Not detected	
114	Pinus Pumila Needle Extract; Pinus Pumila Twig Leaf Extract; Pinus Pumila Twig Leaf Oil	97676-05-6	307-681-6	Not detected	Not detected	Not detected	Not detected	
122	Cedrus Atlantica Bark Extract; Cedrus Atlantica Bark Oil; Cedrus Atlantica Bark Water; Cedrus Atlantica Leaf Extract; Cedrus Atlantica Wood Extract; Cedrus Atlantica Wood Oil	92201-55-3 8023-85-6	295-985-9	Not detected	Not detected	Not detected	Not detected	
124	Turpentine	9005-90-7 8006-64-2 8052-14-0	232-688-5 232-350-7	Not detected	Not detected	Not detected	Not detected	
131	Alpha-Terpinene	99-86-5	202-795-1	Not detected	Not detected	Not detected	Not detected	

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133	Terpinolene	586-62-9	209-578-0	Not detected	Not detected	Not detected	Not detected	
154	Myroxylon Balsamum Pereirae Balsam Extract; Myroxylon Balsamum Pereirae Balsam Oil; Myroxylon Pereirae Oil; Myroxylon Pereirae Resin Extract; Myroxylon Pereirae Resin	8007-00-9	232-352-8	Not detected	Not detected	Not detected	Not detected	
157	Alpha-Damascone; cis-Rose ketone 1 / trans- Rose ketone 1 / Rose ketone 4 (Damascone) / Rose ketone 3 (delta-Damascone) / trans-Rose ketone 3 / cis-Rose ketone 2 (cis-beta- Damascone) / trans-Rose ketone 2 (trans-beta- Damascone)	43052-87-5 23726-94-5 24720-09-0 23696-85-7 57378-68-4 71048-82-3 23726-92-3 23726-91-2	245-845-8 246-430-4 245-833-2 260-709-8 275-156-8 245-843-7 245-842-1	Not detected	Not detected	Not detected	Not detected	
175	3-Propylidenephthalide	17369-59-4	241-402-8	Not detected	Not detected	Not detected	Not detected	
196	Lippia citriodora absolute	8024-12-2 85116-63-8	285-515-0	Not detected	Not detected	Not detected	Not detected	
324	Methyl Salicylate	119-36-8	204-317-7	Not detected	Not detected	Not detected	Not detected	
327	Acetyl Cedrene	32388-55-9	251-020-3	Not detected	Not detected	Not detected	Not detected	
328	Amyl Salicylate	2050-08-0	218-080-2	Not detected	Not detected	Not detected	Not detected	
329	Anethole	104-46-1 4180-23-8	203-205-5 224-052-0	Not detected	Not detected	Not detected	Not detected	
330	Benzaldehyde	100-52-7	202-860-4	Not detected	Not detected	Not detected	Not detected	
331	Camphor	76-22-2 21368-68-3 464-49-3 464-48-2	200-945-0 244-350-4 207-355-2 207-354-7	Not detected	Not detected	Not detected	Not detected	
332	Beta-Caryophyllene	87-44-5	201-746-1	Not detected	Not detected	Not detected	Not detected	
333	Carvone	99-49-0 6485-40-1 2244-16-8	202-759-5 229-352-5 218-827-2	Not detected	Not detected	Not detected	Not detected	
334	Dimethyl Phenethyl Acetate	151-05-3	205-781-3	Not detected	Not detected	Not detected	Not detected	
335	Hexadecanolactone	109-29-5	203-662-0	Not detected	Not detected	Not detected	Not detected	

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336	Hexamethylindanopyran	1222-05-5	214-946-9	Not detected	Not detected	Not detected	Not detected	
337	Linalyl Acetate	115-95-7	204-116-4	Not detected	Not detected	Not detected	Not detected	
339	Trimethylcyclopentenyl Methylisopentenol	67801-20-1	267-140-4	Not detected	Not detected	Not detected	Not detected	
340	Salicylaldehyde	90-02-8	201-961-0	Not detected	Not detected	Not detected	Not detected	
341	Santalol	11031-45-1 115-71-9 77-42-9	234-262-4 204-102-8 201-027-2	Not detected	Not detected	Not detected	Not detected	
342	Sclareol	515-03-7	208-194-0	Not detected	Not detected	Not detected	Not detected	
343	Terpineol	8000-41-7 98-55-5 138-87-4 586-81-2	232-268-1 202-680-6 205-342-6 209-584-3	Not detected	Not detected	Not detected	Not detected	
344	Tetramethyl acetyloctahydronaphthalenes	54464-57-2 54464-59-4 68155-66-8 68155-67-9	259-174-3 259-175-9 268-978-3 268-979-9	Not detected	Not detected	Not detected	Not detected	
345	Trimethylbenzenepropanol	103694-68-4	403-140-4	Not detected	Not detected	Not detected	Not detected	
346	Vanillin	121-33-5	204-465-2	Not detected	Not detected	Not detected	Not detected	
347	Cananga Odorata Flower Extract; Cananga Odorata Flower Oil	83863-30-3 8006-81-3 68606-83-7 93686-30-7	281-092-1 297-681-1	Not detected	Not detected	Not detected	Not detected	
348	Cinnamomum Cassia Leaf Oil	8007-80-5 84961-46-6	284-635-0	Not detected	Not detected	Not detected	Not detected	
349	Cinnamomum Zeylanicum Bark Oil	8015-91-6 84649-98-9	283-479-0	Not detected	Not detected	Not detected	Not detected	
350	Citrus Aurantium Amara Flower Oil / Citrus Aurantium Dulcis Flower Oil	72968-50-4 8028-48-6 8016-38-4	277-143-2 232-433-8	Not detected	Not detected	Not detected	Not detected	
351	Citrus Aurantium Amara Peel Oil / Citrus Aurantium Dulcis Peel Oil; Citrus Sinensis Peel Oil	68916-04-1 72968-50-4 97766-30-8	277-143-2 307-891-8 232-433-8	Not detected	Not detected	Not detected	Not detected	

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		8028-48-6 8008-57-9						
352	Citrus Aurantium Bergamia Peel Oil	8007-75-8 89957-91-5 68648-33-9 8007-75-8 85049-52-1	616-915-9 289-612-9 - 616-915-9	Not detected	Not detected	Not detected	Not detected	
354	Cymbopogon Schoenanthus Oil / Cymbopogon Flexuosus Oil / Cymbopogon Citratus Leaf Oil	8007-02-1 89998-16-3 91844-92-7 8007-02-1 91844-92-7	289-754-1 295-161-9 295-161-9 295-161-9	Not detected	Not detected	Not detected	Not detected	
355	Eucalyptus Globulus Leaf Oil; Eucalyptus Globulus Leaf/Twig Oil	97926-40-4 8000-48-4 8000-48-4	308-257-3 616-775-9 616-775-9	Not detected	Not detected	Not detected	Not detected	
356	Eugenia Caryophyllus Leaf Oil / Eugenia Caryophyllus Flower Oil / Eugenia Caryophyllus Stem oil / Eugenia Caryophyllus Bud oil	8000-34-8 8015-97-2 84961-50-2 84961-50-2 84961-50-2 84961-50-2	616-772-2 - 284-638-7 284-638-7 284-638-7 284-638-7	Not detected	Not detected	Not detected	Not detected	
357	Jasminum Grandiflorum Flower Extract; Jasminum Officinale Oil; Jasminum Officinale Flower Extract	84776-64-7 90045-94-6 8022-96-6 8024-43-9 90045-94-6	283-993-5 289-960-1 289-960-1	Not detected	Not detected	Not detected	Not detected	
358	Juniperus Virginiana Oil; Juniperus Virginiana Wood Oil	8000-27-9 85085-41-2	285-370-3	Not detected	Not detected	Not detected	Not detected	
359	Laurus Nobilis Leaf Oil	8002-41-3 8007-48-5 84603-73-6	283-272-5	Not detected	Not detected	Not detected	Not detected	
360	Lavandula Hybrida Oil; Lavandula Hybrida Extract; Lavandula Hybrida Flower Extract / Lavandula Intermedia Flower/Leaf/Stem Extract; Lavandula Intermedia Flower/Leaf/Stem Oil; Lavandula Intermedia Oil / Lavandula Angustifolia Oil; Lavandula	91722-69-9 8022-15-9 93455-96-0 93455-97-1 92623-76-2 84776-65-8	294-470-6 296-408-3 283-994-0 289-995-2	Not detected	Not detected	Not detected	Not detected	

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	Angustifolia Flower/Leaf/Stem Extract	8000-28-0 90063-37-9 84776-65-8 8000-28-0 90063-37-9						
361	Mentha Piperita Oil	8006-90-4 84082-70-2	282-015-4	Not detected	Not detected	Not detected	Not detected	
362	Mentha Viridis Leaf Oil	8008-79-5 84696-51-5	616-927-4 283-656-2	Not detected	Not detected	Not detected	Not detected	
363	Narcissus Poeticus Extract / Narcissus Pseudonarcissus Flower Extract / Narcissus Jonquilla Extract / Narcissus Tazetta Extract	90064-26-9 68917-12-4 90064-27-0 90064-25-8	290-087-3 - 290-088-9 290-086-8	Not detected	Not detected	Not detected	Not detected	
364	Pelargonium Graveolens Flower Oil	90082-51-2 8000-46-2	290-140-0	Not detected	Not detected	Not detected	Not detected	
365	Pogostemon Cablin Oil	8014-09-3 84238-39-1	282-493-4	Not detected	Not detected	Not detected	Not detected	
366	Rosa Damascena Flower Oil; Rosa Damascena Flower Extract / Rosa Alba Flower Oil; Rosa Alba Flower Extract / Rosa Canina Flower Oil / Rosa Centifolia Flower Oil; Rosa Centifolia Flower Extract / Rosa Gallica Flower Oil / Rosa Moschata Flower Oil / Rosa Rugosa Flower Oil	8007-01-0 90106-38-0 93334-48-6 84696-47-9 84604-12-6 84604-13-7 - 92347-25-6	290-260-3 297-122-1 283-652-0 283-289-8 283-290-3 296-213-3	Not detected	Not detected	Not detected	Not detected	
367	Santalum Album Oil	8006-87-9 84787-70-2	284-111-1	Not detected	Not detected	Not detected	Not detected	
368	Eugenyl Acetate	93-28-7	202-235-6	Not detected	Not detected	Not detected	Not detected	
369	Geranyl Acetate	105-87-3	203-341-5	Not detected	Not detected	Not detected	Not detected	
370	Isoeugenyl Acetate	93-29-8	202-236-1	Not detected	Not detected	Not detected	Not detected	
371	Pinene	80-56-8 7785-70-8 127-91-3 18172-67-3	201-291-9 232-087-8 204-872-5 242-060-2	Not detected	Not detected	Not detected	Not detected	

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# CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

**This certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.**

**This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.**

## **CERTIFYING PARTY:**

Geomar Concept SRL

## **CERTIFICATE DELIVERED TO:**

### **SCOPE OF THE CERTIFICATE:**

Product: ARONIA BERRY HEMPSEED #EU41183F

## **Compulsory information:**

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51 Amendment to the IFRA Code of Practice (published June, 2023) provided it is used in the following class(es) at a maximum concentration level of:

IFRA Category(ies) [see Table 10 in Guidance for the use of IFRA Standards for details]	Level of use (%)*	Product application
Category 1	0 %	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys
Category 2	4.1 %	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.) Body sprays (including body mist)
Category 3	20 %	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation Make-up remover for face and eyes Nose pore strips Wipes or refreshing tissues for face, neck, hands, body

**Disclaimer:** This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. This certificate is the responsibility of the fragrance supplier issuing it. It has not been prepared or endorsed by IFRA in anyway.

		Body and face paint (for children and adults) Facial masks for face and around the eyes
Category 4	77 %	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetic kits Scent pads, foil packs Scent strips for hydroalcoholic products
Category 5A	20 %	Body creams, oils, lotions of all types Foot care products (creams and powders) Insect repellent (intended to be applied to the skin) All powders and talc (excluding baby powders and talc)
Category 5B	13.28571429 %	Facial toner Facial moisturizers and creams (including care products for beard and mustache)
Category 5C	20 %	Hand cream Nail care products including cuticle creams, nail lacquer remover, etc. Hand sanitizers
Category 5D	4.42857143 %	Baby cream/lotion, baby oil, baby powders and talc
Category 6	0 %	Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	20 %	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	20 %	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids non sprays (mousse, gels, leave-on conditioners) Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo) Hair deodorizer, hair perfume*
Category 8	4.42857143 %	Intimate wipes Intimate deodorant spray Tampons Baby wipes Toilet paper (wet)
Category 9	60 %	Bar soap Shampoo of all type Cleanser for face (rinse-off) Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products

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		<p>added to bathwater (such as bath bombs)</p> <p>Foot care products (feet are placed in a bath for soaking)</p> <p>Shaving creams of all types (stick, gels, foams, etc.)</p> <p>All depilatories (including facial) and waxes for mechanical hair removal</p> <p>Shampoos for pets</p>
Category 10A	27.14285714 %	<p>Hand wash laundry detergent (including concentrates)</p> <p>Laundry pre-treatment of all types (e.g.paste, sprays, sticks)</p> <p>Hand dishwashing detergent (including concentrates)</p> <p>Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.)</p> <p>Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates</p> <p>Toilet seat wipes</p> <p>Fabric softeners of all types excluding fabric softener sheets</p> <p>Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics)</p> <p>Floor wax</p> <p>Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc.</p> <p>Ironing water (Odorized distilled water)</p> <p>Dry cleaning kits (involving manual application on the textile)</p>
Category 10B	100 %	<p>Animal sprays – sprays applied to animals of all types</p> <p>Air freshener sprays, manual, including aerosol and pump</p> <p>Aerosol/spray insecticides</p>
Category 11A	4.42857143 %	<p>Feminine hygiene conventional pads,liners, interlabial pads</p> <p>Baby diapers</p> <p>Incontinence pant, pad</p> <p>Toilet paper (dry)</p>
Category 11B	4.5 %	<p>Tights with moisturizers</p> <p>Scented socks, gloves</p> <p>Facial tissues (dry tissues)</p> <p>Napkins</p> <p>Pillow spray</p> <p>Paper towels</p> <p>Wheat bags</p> <p>Facial masks (paper/protective) e.g.surgical masks not used as medical device</p> <p>Fertilizers, solid (pellet or powder)</p>
Category 12	100 %	<p>Candles of all types (including encased)</p> <p>Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods)</p>

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Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals, solid non aerosol car diffuser)  
 Air delivery systems  
 Cat litter  
 Cell phone cases  
 Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)  
 Dry cleaning kits (placed in the dryer)  
 Dryer sheets and fabric softener sheets  
 Fuels  
 Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays  
 Joss sticks or incense sticks  
 Dishwash detergent and deodorizers – for machine wash  
 Olfactive board games  
 Paints  
 Plastic articles (excluding toys)  
 Scratch and sniff  
 Scent pack  
 Scent delivery system (using dry air technology)  
 Shoe polishes  
 Rim blocks (toilet)  
 Toilet gel  
 Scent beads

*\*Actual use level or maximum use level*

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture (ARONIA BERRY HEMPSEED #EU41183F) is as follows:

Materials under the scope of IFRA Standards	CAS-No.	Recommendation from IFRA Standard:	Concentration (%) in fragrance mixture or finished product	Comment
2-Hexenal	6728-26-3 505-57-7 16635-54-4	Restricted	0.01	
Lemon oil cold pressed	8008-56-8 84929-31-7	Restricted	0.3	
Citral	106-26-3 141-27-5 5392-40-5	Restricted	0.0063	
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	27939-60-2 35145-02-9 36635-35-5 67801-65-4 68039-48-5 68039-49-6 68084-52-6	Restricted	0.3	

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	68737-61-1		
Citronellyl acetate	150-84-5 67601-05-2 141-11-7	Restricted	1.15
alpha-Hexyl cinnamic aldehyde	101-86-0	Restricted	1.35
Geraniol	106-24-1	Restricted	0.0003
Benzyl benzoate	120-51-4	Restricted	0.13
p-Methoxybenzaldehyde	123-11-5	Restricted	0.7
4-(4-Hydroxyphenyl)butan-2-one	5471-51-2	Restricted	1
Limonene	138-86-3 7705-14-8 5989-27-5 5989-54-8	Specification	0.204
Linalool	126-90-9 126-91-0 78-70-6	Specification	1.7

Signature

Date

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ARONIA BERRY HEMPSEED #EU41183F  
UFI : 7R1P-D3A3-G008-WYGV  
Product code : EU41183F  
Type of product : Perfumes, fragrances  
Product group : Trade product

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Perfumes, fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Geomar Concept SRL

#### 1.4. Emergency telephone number

Emergency number : +40725864869

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Contains

: Aldehyde C-16; Hexyl cinnamic aldehyde; Linalool; Citrus medica limonum (Lemon) peel oil ; Triplal (Vertocitral)

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P321 - Specific treatment (see supplemental first aid instruction on this label).
Extra phrases	: For professional users only.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis(2-ethylhexyl) adipate substance with national workplace exposure limit(s) (PL)	CAS-No.: 103-23-1 EC-No.: 203-090-1 REACH-no: 01-2119439699-19	32.475 – 64.95	Not classified
Ethyl acetoacetate substance with national workplace exposure limit(s) (RO)	CAS-No.: 141-97-9 EC-No.: 205-516-1	4.825 – 9.65	Not classified
Verdox	CAS-No.: 88-41-5 EC-No.: 201-828-7 REACH-no: 01-2119970713-33	2 – 4	Aquatic Chronic 2, H411
Aldehyde C-16	CAS-No.: 77-83-8 EC-No.: 201-061-8 REACH-no: 01-2119967770-28	1.5 – 3	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
2(3H)-Furanone, 5-heptyldihydro-	CAS-No.: 104-67-6 EC-No.: 203-225-4 REACH-no: 01-2119959333-34	1.125 – 2.25	Aquatic Chronic 3, H412
Benzyl butyrate	CAS-No.: 103-37-7 EC-No.: 203-105-1	1.05 – 2.1	Acute Tox. 4 (Oral), H302
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	0.85 – 1.7	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexyl cinnamic aldehyde	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092-50	0.675 – 1.35	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Ethyl maltol	CAS-No.: 4940-11-8 EC-No.: 225-582-5	0.675 – 1.35	Acute Tox. 4 (Oral), H302
Citronellyl acetate (mixed isomers)	CAS-No.: 150-84-5 EC-No.: 205-775-0	0.575 – 1.15	Aquatic Chronic 2, H411 Skin Irrit. 2, H315
Oxyphelylon (Raspberry ketone) crystals	CAS-No.: 5471-51-2 EC-No.: 226-806-4	0.5 – 1	Acute Tox. 4 (Oral), H302
Oenanthic ether (Ethyl heptanoate)	CAS-No.: 106-30-9 EC-No.: 203-382-9	0.225 – 0.45	Flam. Liq. 3, H226 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Citrus medica limonum (Lemon) peel oil	CAS-No.: 8008-56-8 EC-No.: 284-515-8	0.15 – 0.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Triplal (Vertocitral)	CAS-No.: 68039-49-6 EC-No.: 268-264-1	0.15 – 0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33	0.065 – 0.13	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Alcohol C-10 substance with national workplace exposure limit(s) (BG, DE, LT, LV, RO, CH)	CAS-No.: 112-30-1 EC-No.: 203-956-9	0 – 0.01	Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Sand. Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Store away from other materials.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Storage temperature	: 25 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Store in a closed container.
Packaging materials	: Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

<b>Bis(2-ethylhexyl) adipate (103-23-1)</b>	
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	400 mg/m <sup>3</sup>
<b>Ethyl acetoacetate (141-97-9)</b>	
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	100 mg/m <sup>3</sup>
	19 ppm
OEL STEL	200 mg/m <sup>3</sup>
	38 ppm
<b>Alcohol C-10 (112-30-1)</b>	
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup>
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA)	66 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup>
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	10 mg/m <sup>3</sup>
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA	100 mg/m <sup>3</sup>
	15 ppm
OEL STEL	200 mg/m <sup>3</sup>
	30 ppm

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Alcohol C-10 (112-30-1)	
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	66 mg/m <sup>3</sup> (aerosol, vapour)
	10 ppm (aerosol, vapour)
KZGW (OEL STEL)	66 mg/m <sup>3</sup> (aerosol, vapour)
	10 ppm (aerosol, vapour)

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Conforms to standard.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 87 °C (closed cup) ASTM D7094
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: ≈ 0.96
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available

##### 9.2.2. Other safety characteristics

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

##### Bis(2-ethylhexyl) adipate (103-23-1)

LD50 oral rat	5600 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	8410 mg/kg (Source: NLM_CIP)
LC50 Inhalation - Rat	> 5.7 mg/l/4h

##### Ethyl acetoacetate (141-97-9)

LD50 oral rat	3980 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 5000 mg/kg (Source: NLM_CIP)

##### 2(3H)-Furanone, 5-heptyldihydro- (104-67-6)

LD50 oral rat	18500 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA)

##### Aldehyde C-16 (77-83-8)

LD50 oral rat	5470 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)

##### Verdox (88-41-5)

LD50 oral rat	4600 mg/kg (Source: NLM_CIP)
LD50 oral	4600 mg/kg

##### Hexyl cinnamic aldehyde (101-86-0)

LD50 oral rat	3100 mg/kg (Source: NLM_CIP)
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg (Source: EPA_HPVS)
LC50 Inhalation - Rat	> 5 mg/l/4h

##### Benzyl butyrate (103-37-7)

LD50 oral rat	2330 mg/kg (Source: NLM_CIP)
LD50 oral	1850 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)

##### Ethyl maltol (4940-11-8)

LD50 oral rat	1150 mg/kg (Source: NLM_CIP)
LD50 oral	1200 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)

##### Oxyphelyon (Raspberry ketone) crystals (5471-51-2)

LD50 oral rat	1320 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)

##### Citronellyl acetate (mixed Isomers) (150-84-5)

LD50 oral rat	6800 mg/kg (Source: NLM_CIP)
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# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Citronellyl acetate (mixed Isomers) (150-84-5)</b>	
LD50 dermal rabbit	> 2000 mg/kg (Source: ECHA_API)
<b>Linalool (78-70-6)</b>	
LD50 oral	2790 mg/kg
<b>Oenanthic ether (Ethyl heptanoate) (106-30-9)</b>	
LD50 oral rat	> 34640 mg/kg (Source: NLM_CIP)
<b>Alcohol C-10 (112-30-1)</b>	
LD50 oral rat	4720 mg/kg (Source: NZ_CCID)
LD50 dermal rat	> 5000 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat	> 71 mg/l (Exposure time: 1 h Source: ECHA_API)
<b>Citrus medica limonum (Lemon) peel oil (8008-56-8)</b>	
LD50 oral rat	2840 mg/kg (Source: NLM_CIP)
<b>Triplal (Vertocitral) (68039-49-6)</b>	
LD50 oral	2330 mg/kg
<b>benzyl benzoate (120-51-4)</b>	
LD50 oral rat	> 2000 mg/kg (Source: ECHA_API)
LD50 oral	1160 mg/kg bodyweight
LD50 dermal rabbit	4000 mg/kg (Source: NLM_CIP)
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
<b>Bis(2-ethylhexyl) adipate (103-23-1)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
<b>benzyl benzoate (120-51-4)</b>	
Viscosity, kinematic	7.456 mm <sup>2</sup> /s

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

#### Bis(2-ethylhexyl) adipate (103-23-1)

LC50 - Fish [1]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	0.48 – 0.85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	> 1.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)

#### Ethyl acetoacetate (141-97-9)

LC50 - Fish [1]	298 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)
LC50 - Fish [2]	290 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	646 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)

#### 2(3H)-Furanone, 5-heptyldihydro- (104-67-6)

LC50 - Fish [1]	569 mg/l 96 h
EC50 - Crustacea [1]	5.85 mg/l 48 h
EC50 - Other aquatic organisms [1]	5.94 mg/l 72 h

#### Aldehyde C-16 (77-83-8)

LC50 - Fish [1]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)
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#### Ethyl maltol (4940-11-8)

LC50 - Fish [1]	> 85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: ECHA)
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#### Citronellyl acetate (mixed Isomers) (150-84-5)

LC50 - Fish [1]	6.1 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
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#### Linalool (78-70-6)

EC50 96h - Algae [1]	88.3 mg/l (Species: Desmodesmus subspicatus)
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#### Alcohol C-10 (112-30-1)

LC50 - Fish [1]	2.2 – 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	4.12 – 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

benzyl benzoate (120-51-4)	
LC50 - Fish [1]	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
NOEC (chronic)	0.168 mg/l

### 12.2. Persistence and degradability

ARONIA BERRY HEMPSEED #EU41183F	
Persistence and degradability	Not established.
Bis(2-ethylhexyl) adipate (103-23-1)	
Persistence and degradability	Rapidly degradable
Ethyl acetoacetate (141-97-9)	
Persistence and degradability	Rapidly degradable
2(3H)-Furanone, 5-heptyldihydro- (104-67-6)	
Persistence and degradability	Rapidly degradable
Aldehyde C-16 (77-83-8)	
Persistence and degradability	Rapidly degradable
Verdox (88-41-5)	
Persistence and degradability	Rapidly degradable
Hexyl cinnamic aldehyde (101-86-0)	
Persistence and degradability	Rapidly degradable
Benzyl butyrate (103-37-7)	
Persistence and degradability	Rapidly degradable
Ethyl maltol (4940-11-8)	
Persistence and degradability	Rapidly degradable
Oxyphelylon (Raspberry ketone) crystals (5471-51-2)	
Persistence and degradability	Rapidly degradable
Citronellyl acetate (mixed Isomers) (150-84-5)	
Persistence and degradability	Rapidly degradable
Linalool (78-70-6)	
Persistence and degradability	Rapidly degradable
Oenanthic ether (Ethyl heptanoate) (106-30-9)	
Persistence and degradability	Rapidly degradable
Alcohol C-10 (112-30-1)	
Persistence and degradability	Rapidly degradable
Citrus medica limonum (Lemon) peel oil (8008-56-8)	
Persistence and degradability	Rapidly degradable
Triplal (Vertocitral) (68039-49-6)	
Persistence and degradability	Rapidly degradable

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

benzyl benzoate (120-51-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

ARONIA BERRY HEMPSEED #EU41183F	
Bioaccumulative potential	Not established.
Bis(2-ethylhexyl) adipate (103-23-1)	
BCF - Fish [1]	(27 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	8.94 (at 25 °C)
Ethyl acetoacetate (141-97-9)	
Partition coefficient n-octanol/water (Log Pow)	0.8 (at 20 °C)
2(3H)-Furanone, 5-heptyldihydro- (104-67-6)	
Partition coefficient n-octanol/water (Log Pow)	3.6 (at 25 °C)
Aldehyde C-16 (77-83-8)	
Partition coefficient n-octanol/water (Log Pow)	2.4 (at 25 °C (cis isomer))
Benzyl butyrate (103-37-7)	
Partition coefficient n-octanol/water (Log Pow)	3.127 (at 25 °C (at pH 7.58))
Ethyl maltol (4940-11-8)	
Partition coefficient n-octanol/water (Log Pow)	2.9 (at 25 °C)
Oxyphelylon (Raspberry ketone) crystals (5471-51-2)	
Partition coefficient n-octanol/water (Log Pow)	1.33 (at 20 °C)
Citronellyl acetate (mixed Isomers) (150-84-5)	
Partition coefficient n-octanol/water (Log Pow)	4.9 (at 25 °C (at pH 4.23))
Oenanthic ether (Ethyl heptanoate) (106-30-9)	
Partition coefficient n-octanol/water (Log Pow)	3.98 (at 35 °C (at pH 7))
Alcohol C-10 (112-30-1)	
Partition coefficient n-octanol/water (Log Pow)	4.5 (at 25 °C (at pH 6))
benzyl benzoate (120-51-4)	
Partition coefficient n-octanol/water (Log Pow)	3.97 (at 25 °C)
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecological information : Avoid release to the environment.  
HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.  
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Oenanthic ether (Ethyl heptanoate) ; Citrus medica limonum (Lemon) peel oil	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	ARONIA BERRY HEMPSEED #EU41183F ; Aldehyde C-16 ; Hexyl cinnamic aldehyde ; Benzyl butyrate ; Citronellyl acetate (mixed Isomers) ; Linalool ; Citrus medica limonum (Lemon) peel oil ; Triplal (Vertocitral) ; benzyl benzoate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	ARONIA BERRY HEMPSEED #EU41183F ; 2(3H)-Furanone, 5-heptyldihydro- ; Aldehyde C-16 ; Verdox ; Hexyl cinnamic aldehyde ; Citronellyl acetate (mixed Isomers) ; Oenanthic ether (Ethyl heptanoate) ; Alcohol C-10 ; Citrus medica limonum (Lemon) peel oil ; Triplal (Vertocitral) ; benzyl benzoate	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Oenanthic ether (Ethyl heptanoate) ; Citrus medica limonum (Lemon) peel oil	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).  
Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment  
SZW-lijst van kankerverwekkende stoffen : Lemon oil ,Triplal (Vertocitral) are listed  
SZW-lijst van mutagene stoffen : Lemon oil ,Triplal (Vertocitral) are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Class for fire hazard : Class III-1  
Store unit : 50 liter  
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : 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.  
Other information : None.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.

# ARONIA BERRY HEMPSEED #EU41183F

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.