

Material Safety Data Sheet
Bilberry Seed Oil

v 4.3, revised 10.12.2010

SECTION 1: Chemical product identification

TRADE NAME: 3065 BLÅBÄR
APPLICATIONS: Cosmetic ingredient
MANUFACTURER: Naturkosmetikkopmaniet AB
Ullevi Enestorp 3
59491 Gamleby **TEL:** 0493-53999
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info@naturkosmetikkompaniet.se
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EMERGENCY: **TEL:** 112

SECTION 2: Hazards

MAIN HAZARDS: No known health hazards.
This product is not classified as dangerous according to 67/548/EEC.

SECTION 3: Composition & Information of Ingredients

RAW MATERIAL: *Vaccinium myrtillus* – bilberry (European blueberry) seeds
PRODUCT: Bilberry seed oil
ANTIOXIDANT: (+) - alpha-tocopherol
PRODUCTION: CO₂-extraction from bilberry seeds
INGREDIENTS: Triglycerides of fatty acids
CAS-number 85681-87-4 and EINECS-number 288-225-2
ADDITIONAL INFORMATION: No solvent residues.

SECTION 4: First Aid Measures

No special measures necessary.

SECTION 5: Fire Fighting Measures

FLASH POINT: > 200 °C
EXTINGUISHING MEDIA: Foam, CO₂, powder. Water not suitable.
PARTICULAR HAZARD: None
PROTECTIVE EQUIPMENT: Self-contained breathing apparatus, protective clothing.

SECTION 6: Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid eye contact.
ADVICE FOR CLEANING: Use mechanical absorption with oil binding medium.

SECTION 7: Handling and Storage

HANDLING: Use appropriate clothes.
STORAGE: Product is packed under food grade CO₂. Store in tightly closed containers in dark, dry conditions at temperatures between 4 and 8 °C. Avoid direct sunlight.

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SECTION 8: Exposure and Personal Protection

Use appropriate clothing, no special requirements.

SECTION 9: Physical and Chemical Properties

FORM:	Liquid at room temperature
COLOUR:	Pale yellow to greenish
ODOUR:	Characteristic
pH:	Not applicable
FLASH POINT:	> 200 °C
SOLUBILITY:	Oil-soluble, not soluble in water.
DENSITY:	ca. 0,93 g/cm ³

SECTION 10: Stability and Reactivity

STABILITY:	Stable 36 months from the date of manufacturing when correctly stored.
CONDITIONS TO AVOID:	Heat and direct sunlight
SUBSTANCES TO AVOID:	Alkaline metals, strong oxidizing agents, halogen combinations
HAZARDOUS DECOMPOSITION PRODUCTS:	None

SECTION 11: Toxicology

TOXICOLOGICAL TESTS:	Non-toxic substance
CARCINOGENIC EFFECT:	None

SECTION 12: Ecological Information

Natural ingredient, no environmental effects.

SECTION 13: Advice for Disposal

PRODUCT:	Biodegradable, compostable
CONTAINER:	Can be recycled / reused after cleaning with conventional detergents.

SECTION 14: Transport Information

CLASSIFICATION:	Non-hazardous
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SECTION 15: Regulatory Information

Not subject to labelling

SECTION 16: Other Information

This product is exempted from Reach.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damage incurred by use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Blåbär

TECHNICAL DATA

Product name:

Bilberry Seed Oil

Raw material:

Vaccinium myrtillus – Bilberry seeds

INCI name:

Vaccinium Myrtillus Seed Oil,
Helianthus Annuus Seed Oil,
Rosmarinus Officinalis Leaf Extract

Technology:

Produced by supercritical CO₂ extraction.
No solvent residues. No inorganic salts.
No heavy metals. Aseptic extraction method.

CAS no.:

85681-87-4, 8001-21-6, 84604-14-8

EINECS no.:

288-225-2, 232-273-9, 283-291-9

Solubility:

Soluble in vegetable oils and synthetic triglycerides.

Physical form at 20° C:

Liquid

Recommended use level:

0.5 - 2.5 % as active ingredient

Packaging:

1 kg, 5 kg aluminum containers, 20 kg HDPE container

Bilberry Seed Oil

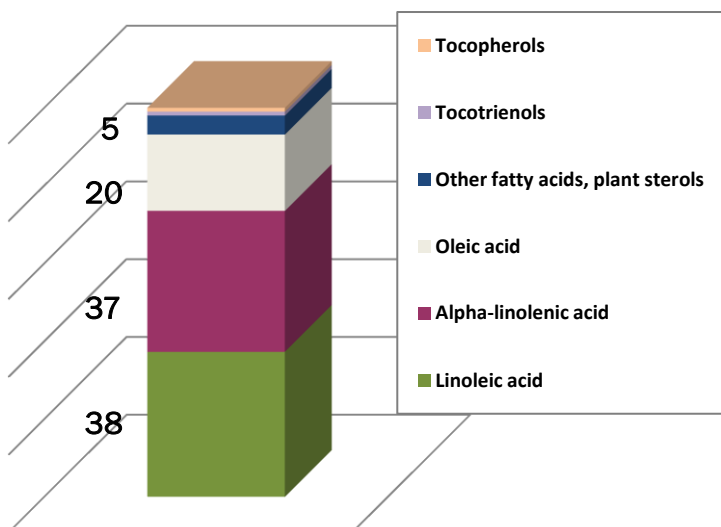
- Source of tocopherols and tocotrienols
- Rich in multiple natural lipids
- Protection against ageing
- Skin nourishing and regenerating

FUNCTIONALITY

Ultrapure BLUE TOCOL is produced from the seeds of beautiful blue colored bilberry (European blueberry). BLUE TOCOL offers a full spectrum of natural isomers of tocopherols and tocotrienols, the vitamin E compounds that efficiently protect the body. BLUE TOCOL is also very rich in essential fatty acids and phytosterols. The excellent combination of actives makes BLUE TOCOL a unique ingredient for anti-ageing purposes and for protecting and nourishing skin, body and hair.

- ANTI-AGEING
- SKIN LIGHTENING
- SKIN SOOTHING *FROM WITHIN*

TYPICAL COMPOSITION (%)



PRELIMINARY PRODUCT SPECIFICATION

Product	Bilberry Seed Oil
Product number	008T.4
1 INCI-name	Vaccinium Myrtillus Seed Oil, Helianthus Annuus Seed Oil, Rosmarinus Officinalis Leaf Extract
2 CAS-number	85681-87-4, 8001-21-6, 84604-14-8
3 EINECS-number	288-225-2, 232-273-9, 283-291-9
4	
5 Raw material	Bilberry (European Blueberry) seeds (<i>Vaccinium myrtillus</i>)
6	
7 Production	Produced by supercritical CO ₂ -extraction using natural carbon dioxide. [1] No solvent residues. No inorganic salts. No heavy metals. Aseptic extraction method. [2]
8	
9 D / E - ratio	Typically 5.
10	
11 Stability	Closed package in cool storage and exclusion of light for at least 36 months.
12	
13 Sensory description	Colour appearance: pale yellow to greenish. Turbid due to presence of plant waxes. Turbidity will disappear with warming. Mild characteristic aroma. Natural variation may occur.
14	
15 Ingredients	Supercritical CO ₂ -extracted bilberry seed oil, 99,8 %. Rosemary antioxidant extract (14 % Diterpene Phenols) in sunflower oil, 0,2 %.
16	
17 Delivery form	Liquid at room temperature.
18	

Analytical values reported in CoA.

Test	Acceptable range
Fatty acid composition	
C18:1 (n-9)	17 - 23 %
C18:2 (n-6)	35 - 40 %
C18:3 (n-3)	34 - 40 %
Tocotrienols	≥ 0,02 %
Tocopherols	≥ 0,02 %
Peroxide value	≤ 10 meq/kg
Acid value	≤ 18 mg KOH/g
Density	ca 0,93 g/cm ³