



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

BACTI-PUR COMPLEX

1. Identification of the substance/mixture and company

Trade name:	BACTI-PUR COMPLEX Natural product obtained by supercritical fluid extraction (CO2)
I.N.C.I.	Salvia Triloba Leaf Extract, Helianthus Annuus Seed Oil, Curcuma Xanthorrhiza Root Extract, Humulus Lupulus Cone Extract, Glycyrrhiza Uralensis Root Extract, Eugenia Caryophyllus Flower Extract, Origanum Vulgare Leaf Extract, Trachyspermum Ammi Fruit Extract
CAS No. :	85085-68-3, 8001-21-6, 89998-05-0, 8060-28-4, 94349-91-4, 84961-50-2, 84012-24-8, 91745-13-0
EINECS No. :	285-391-8, 232-273-9, 289-742-6, 232-504-3, 305-209-3, 284-638-7, 281-670-3, 294-681-3
REACH pre-registration No. :	/
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Indications of danger: C - Corrosive

R phrases:

- Causes burns.
- May cause sensitization by skin contact.
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to EC Reg. 1272/2008 (Norm. GHS-CLP).

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory/skin sensitization: Resp. Sens. 1

Respiratory/skin sensitization: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

H314 – Causes severe skin burns and eye damage

H317 – May cause an allergic skin reaction

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled

H412 – Harmful to aquatic life with long lasting effects

2.2 Label elements

Signal word: Danger

Pictograms: GHS05-GHS08

Hazard pictograms:



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Hazard statement:

H314 – Causes severe skin burns and eye damage

H317 – May cause an allergic skin reaction

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H412 – Harmful to aquatic life with long lasting effects

Precautionary statement:

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER or doctor/physician.

Additional advice on labeling: The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

2.3 Other hazards

Special skid risk by leaking/spilling product.

3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	EINECS	Hazard symbols	Percent %
Salvia Triloba (Sage) Leaf Extract	85085-68-3	285-391-8	-	27
Helianthus Annuus (Sunflower) Seed Oi	8001-21-6	202-859-9	-	17,5
Curcuma Xanthorrhiza Root Extract	89998-05-0	289-742-6	H304	15
Humulus Lupulus (Hops) Cone Extract	8060-28-4	232-504-3	-	13
Glycyrrhiza Uralensis (Licorice) Root Extract	94349-91-4	305-209-3	-	7,5
Eugenia Caryophyllus (Clove) Flower Extract	84961-50-2	284-638-7	H302, H315, H319, H334, H317, H335, H304	10
Origanum Vulgare (Oregano) Leaf Extract	84012-24-8	281-670-3	H304, H302, H314, H318, H317, H412	5
Trachyspermum Ammi (Ajowain) Fruit Extract	91745-13-0	294-681-3	H302, H314, H318, H335, H304, H411	5

Further Information: no solvent residues



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4. First aid measures

4.1 Description of first aid measures

General information: In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Seek medical attention if problems persist.

In case of contact with skin: After contact with skin, wash immediately with: water and soap.

In case of contact with eyes: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

In case of inhalation: Provide fresh air.

In case of ingestion: Rinse mouth immediately and drink large quantities of water.

4.2 Main symptoms and effects, both acute and delayed

No data available

4.3 Indication to consult a physician immediately or any special treatments

No data available

5. Fire fighting measures

5.1 Means of extinction

Suitable extinguishing media: foam, carbon dioxide (CO₂), powder

Extinguishing media which must not be used for safety reasons: water stream

5.2 Special hazards arising from the substance or mixture

Formation of dangerous fumes possible.

5.3 Recommendations for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

Wear personal protection equipment.

Provide adequate ventilation.

Wear respiratory protection when in the presence of vapor, dust, and aerosols.

6.2 Environmental precautions

Keep away from canalization, waterway and groundwater.

6.3 Methods and materials for containment and remediation

Remove mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections



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Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

- Avoid contact with skin and eyes, concentrated extracts should not be swallowed.
- Wear splash goggles and oil resistant gloves.
- Do not breathe gas/fumes/vapor/spray.

Advice on protection against fire and explosion

- Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: no special measures necessary

Further information on storage conditions: keep dark and dry, avoid heat; store in tightly closed container

7.3 Specific end uses

None

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.

8.2 Exposure controls



Protective and hygiene measures: Remove contaminated clothes.

Hand protection: When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. German Industry Norms (DIN) / European Norms (EN): EN 374

Skin protection: wear clothing as usual in chemical industry, remove contaminated clothes. After contact with skin, wash immediately with: water and soap.

Respiratory protection: Do not breathe vapor/aerosol. Respiratory protection required in case of: aerosol or mist generation. Filter respirator with filter or ventilator type: A.

Eye protection: Wear splash goggles.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid oil

Color: dark brown

Odor: characteristic

pH-Value: no data available

Changes in the physical state

Melting point: no data available



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Boiling point: no data available
Sublimation point: no data available
Softening point: no data available
Flash point: > 61 °C (closed cup)
Lower explosion limits: no data available
Upper explosion limits: no data available
Vapor pressure: no data available
Density (at 20 °C): 0,90 - 1,00 g/cm³ (pycnometer)
Water solubility: insoluble
Solubility in other solvents: good soluble in fat phases
Viscosity/dynamic: no data available
Vapor density: no data available
Solvent content: no solvent residues

9.2 Other information

None

10. Stability and reactivity

10.1 Responsiveness

No data available

10.2 Chemical stability

No data available

10.3 Possibility of dangerous reactions

No data available

10.4 Conditions to avoid

Heat, open flame, sun light.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

None - when carefully used.

Further information: no decomposition in the application field

11. Toxicological information

11.1 Information on toxicological effects

Toxicokinetics, metabolism and distribution: According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

C.A.S.	Chemical name	Method	Dose	Species
	Exposure routes			
84961-50-2	Clove, ext.			
	Acute oral toxicity	LD50	1100 mg/kg	ATEmix calculated
91745-13-0	Ajowan, ext.			
	Acute oral toxicity	LD50	1510 mg/kg	ATEmix calculated
84012-24-8	Marjoram, pot, ext			
	Acute oral toxicity	ATE	500 mg/kg	



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Specific effects in experiment on an animal: no data available

Irritation and corrosivity: strong irritant effect. Risk of serious damage to eyes.

Sensitizing effects: May cause allergic reactions of the skin

Severe effects after repeated or prolonged exposure: no data available

Carcinogenic/mutagenic/toxic effects for reproduction: no data available

Further information: Acute toxicity, irritation of the skin and mucous mebrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components.

Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

12. Ecological information

12.1 Toxicity

Harmful to aquatic organisms.

Under appropriate use there are no ecological problems to expect.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulation potential

No data available

12.4 Ground mobility

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Further information: no heavy metals and inorganic components

13. Disposal considerations

13.1 Waste treatment methods

Advice on disposal: in accordance with valid regulations

Waste disposal number of waste from residues/unused products: 160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances. Classified as hazardous waste.

Contaminated packaging: in accordance with valid regulations

14. Transport information

Land transport (ADR/RID)

14.1. UN number: UN1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains Carvacrol)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8



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Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Other applicable information (land transport)

Special provisions: 274
E1
Transport category: 3

Marine transport (IMDG)

14.1. UN number: UN1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains carvacrol)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: 223, 274
Limited quantity: 5 L
EmS: F-A, S-B

Other applicable information (marine transport)

Special provisions: 223, 274, 944
E1

Air transport (ICAO)

UN/ID number: UN1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains carvacrol)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 1 L
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

E1



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: Y818

Special provisions: A3

: Y841

14.5 Environmental hazards

Dangerous for the environment: no

14.6 Special precautions for users

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No data available

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

15.2 Chemical safety assessment.

No data available

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

16.2 Full text of the H phrases mentioned in point 3:

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.



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- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 - May cause respiratory irritation.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	< 0.0500
Eugenol	97-53-0	< 7.0000
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	< 0.1000
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-



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Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.