

according to Regulation (EC) No 1907/2006

Chili CO2-to extract

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

5821 Chiliextrakt eko

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

Use of the substance/mixture

In food industry and in cosmetic products.

1.3. Details of the supplier of the safety data sheet

Company name: Naturkosmetikkompaniet AB

Street: Ullevi Enestorp 3
Place: 59491 Gamleby

Telephone: 0493-53999 Telefax: 0493-12630

e-mail: info@naturkosmetikkompaniet.se

Internet: www.naturkosmetikkompaniet.se

1.4. Emergency telephone 112

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful

R phrases:

Harmful if swallowed.

May cause sensitisation by inhalation and skin contact.

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

Hazard categories:

Respiratory/skin sensitization: Resp. Sens. 1 Respiratory/skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. Label elements

Hazardous components which must be listed on the label

Capsicum frutescens, ext.

Signal word: Danger Pictograms: GHS08



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Hazard statements

H317 May cause an allergic skin reaction.

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

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

2.3. Other hazards

Special skid risk by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

INCI-Name (CTFA): Capsicum Frutescens (Chili) Fruit Extract, CAS-no. 85940-30-3, EC-no.

(EINECS/ELINCS): 288-920-0

and Brassica Campestris (Rapeseed) Seed Oil, CAS-no. 8002-13-9, EC-no. (EINECS/ELINCS):

232-299-0

contains 3,0 - 3,2 % total capsaicinoids containing capsaicin, dihydrocapsaicin, nordihydrocapsaicin

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
288-920-0	Capsicum frutescens, ext.	40 %
288-920-0 85940-30-3	Xn - Harmful R22-42/43	40 %

Full text of R-, H- and EUH-phrases: see section 16.

Further Information

no solvent residues

SECTION 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.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water and soap.



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Seek medical attention if problems persist.

After 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.

After indestion

Rinse mouth immediately and drink large quantities of water. Consult physician.

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

no data available

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

no data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

foam, CO2, powder

Unsuitable extinguishing media

water stream

5.2. Special hazards arising from the substance or mixture

formation of dangerous fumes possible

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment 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 vapour, dust, and aerosols.

6.2. Environmental precautions

keep away from canalisation, waterway, groundwater

6.3. Methods and material for containment and cleaning up

suck up with oil binding media. Remove mechanically, placing in appropriate containers for disposal.

SECTION 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 oilresistent gloves

Do not breathe gas/fumes/vapour/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



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

remove contaminated clothes

Eye/face protection

wear splash goggles

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 vapour / aerosol

Respiratory protection required in case of: aerosol or mist generation.

Filter respirator with filter or ventilator type: A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: clear oil Colour: dark red

Odour: hot, characteristic

Test method

pH-Value: no data available

Changes in the physical state

Melting point:

Initial boiling point and boiling range:

Sublimation point:

No data available

no data available

no data available

Softening point:

No data available

no data available

no data available

no data available

Flash point: > 100 °C closed cup

Flammability

Solid: no data available
Gas: no data available

Explosive properties

no data available

Lower explosion limits:

Upper explosion limits:

Ignition temperature:

no data available

no data available

Auto-ignition temperature

Solid: no data available
Gas: no data available
Decomposition temperature: no data available



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Oxidizing properties

no data available

Vapour pressure: no data available

Density (at 20 °C): < 1,00 g/cm³ pycnometer

Bulk density: no data available Water solubility: unsoluble

Solubility in other solvents

good soluble in fat phases

no data available Partition coefficient: Viscosity / dynamic: no data available Viscosity / kinematic: no data available Flow time: no data available Vapour density: no data available no data available Evaporation rate: Solvent separation test: no data available no solvent residues Solvent content:

9.2. Other information

Solid content: no data available

no data available

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available

10.2. Chemical stability

no data available

10.3. Possibility of hazardous 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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

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

Irritation and corrosivity

Irritating to eyes, respiratory system and skin, strong irritant effect

Sensitising effects

no data available



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Severe effects after repeated or prolonged exposure

no data available

Carcinogenic/mutagenic/toxic effects for reproduction

no data available

Specific effects in experiment on an animal

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.

SECTION 12: Ecological information

12.1. Toxicity

No data for ecological evaluation on hand

Under appropriate use there are no ecological problems to expect

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

no data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

no data available

Further information

no heavy metals and inorganic components

SECTION 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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.



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Inland waterways transport (ADN)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
 14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

no data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

no data available

Other applicable information

no dangerous good in the sense of the transport regulations

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for 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

SECTION 16: Other information

Changes

Reason for revision: general revision of whole document

Relevant R-phrases (Number and full text)

22 Harmful if swallowed.

42/43 May cause sensitisation by inhalation and skin contact.

Relevant H- and EUH-phrases (Number and full text)

H317 May cause an allergic skin reaction.

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

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singulary responsible for adhering to existing laws and regulations.



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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Chili CO2-to extract (organic) 3,1 % Capsaicinoids, DE-ÖKO-013

Raw material: Capsicum frutescens - Fruit with

seeds, dried, from organic farming





Production: By supercritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no

heavy metals, no reproducible microorganisms [1]. The extract is standardized by addition of rapeseed

oil (organic).

Description: Contains all CO2-soluble lipohilic components. Red, at room temperature clear liquid oil with pungent

smell and taste.

D/E - ratio: 3,5 - 5,0 kg raw material yield 1 kg product.

Declaration: INCI-Name (CTFA): Capsicum Frutescens (Chili) Fruit Extract, CAS-No. 85940-30-3, EINECS-No.

288-920-0 and Brassica Campestris (Rapeseed) Seed Oil, CAS-No. 8002-13-9, EINECS-No. 232-299-0

Halal - Status: Certified by Halal Certification Services (HCS)

The certification is marked with the Halal Logo on the product.

Kosher - Status: Certified by London Beth Din Kashrut Division (KLBD)

The certification is marked with the Kosher logo on the product.

Transport: No dangerous good in the sense of the transport regulations.

Ingredients: 3,0 - 3,2 % total capsaicinoids (containing nordihydrocapsaicin, capsaicin, dihydrocapsaicin), NMT 0,1

% carotenoids (beta-carotene, capsanthin, capsorubin), fatty oil.

Application: In food industry, in cosmetics and pharmaceutical preparations.

Naturalness: The product is 100 % natural and contains apart from the rapeseed oil (organic) no additives and no

other technical adjuncts. It corresponds to the EC Flavouring Regulation No. 1334/2008 for flavouring

preparations.

Stability: Unopened container under cool and dry storage conditions and exclusion of light at least 5 years.

References: [1] Manninen P., Häivälä E., Sarimo S., Kallio H.: Z. Lebens Unters Forsch A (1997) 204: 202-205

Disclaimer: These data are given for customer's information only to the best of our knowledge but under exemption of liability especially regarding infringement of or prejudice to third party rights through the use of this product. Users are responsible for ensuring the compliance with the applicable legislation.

The concentrated NKK extracts are raw materials for product formulation. Hence they are not intended for direct consumption in food and for undiluted topical application in cosmetics, perfumery and aromatherapy. Keep away from children.

