

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO2-to extract_043.007

Print date: 19.09.2012

Page 1 of 6

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

Product identifier

Arnica flowers CO2-to extract_043.007

Further trade names

Arnikablüten CO2-to Extrakt (ökol.), 4 % Sesquiterpenlaktone, Typ Nr. 043.007

Arnica flowers CO2-to extract (organic), 4 % Sesquiterpene lactones, type no. 043.007

Arnica (fleurs) extrait CO2-to (bio), 4 % lactones sesquiterpéniques, référence 043.007

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

Use of the substance/mixture

in pharmaceutic and cosmetic products

Details of the supplier of the safety data sheet

Company name:	Flavex Naturextrakte GmbH	
Street:	Nordstr. 7	
Place:	D-66780 Rehlingen-Siersburg	
Telephone:	+49 (0)6835/9195-0	Telefax: +49 (0)6835/919595
e-mail:	info@flavex.com	
Contact person:	Mr. J. Sewerin	
Internet:	www.flavex.com	
Responsible Department:	Poison information center Freiburg	

Emergency telephone: +49 (0)761/19240

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Harmful

R-phrases:
 Harmful if swallowed.

GHS classification

Hazard categories:
 Acute toxicity: Acute Tox. 4
 Hazard Statements:
 Harmful if swallowed.

Label elements

Signal word:	Warning
Pictograms:	GHS07



Hazardous components which must be listed on the label

Arnica montana, ext.

Hazard statements

H302	Harmful if swallowed.
------	-----------------------

Precautionary statements

P264	Wash hands thoroughly after handling.
------	---------------------------------------

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO₂-to extract_043.007

Print date: 19.09.2012

Page 2 of 6

P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 Rinse mouth.

Other hazards

Special skid risk by leaking/spilling product.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

INCI-name (CTFA): : Helianthus Annuus (Sunflower) Seed Oil, CAS-no. 8001-21-6 EC-no.
 (EINECS/ELINCS): 232-273-9
 and Arnica Montana (Arnica) Flower Extract, CAS-no. 68990-11-4 EC-no.
 (EINECS/ELINCS):273-579-2

essential oil content: 0,4 - 0,9 %
 Triterpenediol Esters: 3,0 - 7,0 %
 Total content of sesquiterpene lactones: 3,5 - 4,5 %
 Helenalin: < 0,02 %

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
273-579-2	Arnica montana, ext.	30 - 50 %
68990-11-4	Xn R22	
	Acute Tox. 4; H302	

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

Further Information

no solvent residues

SECTION 4: First aid measures

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.
 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.

After ingestion

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

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO₂-to extract_043.007

Print date: 19.09.2012

Page 3 of 6

Extinguishing media

Suitable extinguishing media

foam, CO₂, powder

Extinguishing media which must not be used for safety reasons

water stream

Special hazards arising from the substance or mixture

formation of dangerous fumes possible

Advice for firefighters

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

SECTION 6: Accidental release measures

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.

Environmental precautions

keep away from canalisation, waterway, groundwater

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

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.

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

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures

remove contaminated clothes

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

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

Eye protection

wear splash goggles

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO₂-to extract_043.007

Print date: 19.09.2012

Page 4 of 6

Skin protection

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

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid oil, viscous
Colour: dark brown
Odour: characteristic

Test method

pH-Value: no data available

Changes in the physical state

Melting point: no data available
Boiling point: no data available
Sublimation point: no data available
Softening point: no data available
Flash point: > 100 °C closed cup
Lower explosion limits: no data available
Upper explosion limits: no data available
Vapour pressure: no data available
Density: < 1,00 g/cm³ pycnometer
Water solubility: insoluble
Solubility in other solvents: good soluble in fat phases
Viscosity / dynamic: no data available
Vapour density: no data available
Solvent content: no solvent residues

SECTION 10: Stability and reactivity

Conditions to avoid

heat, open flame, sun light

Hazardous decomposition products

none - when carefully used

Further information

no decomposition in the application field

SECTION 11: Toxicological information

Information on toxicological effects

Toxicokinetics, metabolism and distribution

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

Acute toxicity

no data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO₂-to extract_043.007

Print date: 19.09.2012

Page 5 of 6

CAS No	Chemical name			
	Exposure routes	Method	Dose	Species
68990-11-4	Arnica montana, ext.			
	Acute oral toxicity	ATE	500 mg/kg	

Specific effects in experiment on an animal

no data available

Irritation and corrosivity

no data available

Sensitising effects

no data available

Severe effects after repeated or prolonged exposure

no data available

Carcinogenic/mutagenic/toxic effects for reproduction

no data available

Additional information on tests

Frequently or prolonged contact with skin may cause dermal irritation.

Further information

Acute toxicity, irritation of the skin and mucous membrane, 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

Toxicity

No data for ecological evaluation on hand
Under appropriate use there are no ecological problems to expect

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Further information

no heavy metals and inorganic components

SECTION 13: Disposal considerations

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Arnica flowers CO₂-to extract_043.007

Print date: 19.09.2012

Page 6 of 6

Contaminated packaging

in accordance with valid regulations

SECTION 14: Transport information

Other applicable information

no dangerous good in the sense of the transport regulations

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

Water contaminating class (D):

1 - slightly water contaminating

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Reason for revision: general revision of whole document

Full text of R-phrases referred to under sections 2 and 3

22 Harmful if swallowed.

Full text of H-Statements referred to under sections 2 and 3

H302 Harmful if swallowed.

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 singularly responsible for adhering to existing laws and regulations.