

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
SOFTDERMO COMPLEX

1. Identification of the substance/mixture and company

| | |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trade name: | Softdermo Complex Multi functional additive, hydrating, conditioning, masking, with an excellent antimicrobial profile |
| INCI | Sodium levulinate, Sodium anisate, Glycerin, Aqua |
| CAS No. : | 56-81-5; 7732-18-5; 19856-23-6; 536-45-8 |
| Utilization: | Raw material for cosmetic use |
| Supplier company identification: | Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.ellemental.com |
| 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

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

Hazard classes and hazard categories

Hazard statements Classification procedure

Acute toxicity (oral) (Acute Tox. 4) H302: Harmful if swallowed.

Serious eye damage/eye irritation
(Eye Dam. 1)

H318: Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms:

GHS05

Corrosion

GHS07

Exclamation mark

Signal word: Danger

Hazard statements for health hazards

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Supplemental hazard information: none

Precautionary statements Prevention

P270 Do not eat, drink or smoke when using this product.

Precautionary statements Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/.../ if you feel unwell.

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

P330 Rinse mouth.

2.3. Other hazards



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No data available

3. Declaration of ingredients

3.1 Substance

No

3.2 Mixtures

Description:

Liquid mixture of sodium 4-oxovalerate, sodium anisate, glycerol, Water

Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers | Substance name | Concentration % |
|--------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
| CAS No.: 19856-23-6 | Classification according to Regulation (EC) No 1272/2008 [CLP] | 10 – < 25 |
| EC No.: 243-378-4 | sodium 4-oxovalerate Acute Tox. 4 (H302), Eye Dam. 1 (H318) | |
| REACH No.: 01-2120764150-64 | | |
| CAS No.: 536-45-8 | sodium anisate The substance is classified as not hazardous according to regulation | |
| EC No.: 208-634-1 | (EC) No 1272/2008 [CLP]. | 5 – < 10 |
| Full text of H- and EUH-phrases: see section 16. | | |

4. First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing.

If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Serious eye damage/eye irritation

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

Treat symptomatically.

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5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Strong water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for fire fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

7. Handling and storage

7.1. Precautions for safe handling

Protective measures

Advice on safe handling:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special measures are necessary.

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devices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

8. Exposure controls / personal protection

8.1 Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls

No data available.

8.2 Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: close-fitting protective goggles (e.g. closed goggles) or face protection

Hand Protection: Additional Information: The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374., Specific workplace situations must be considered separately.

Other: protective clothing

Respiratory Protection: in case of formation of vapors/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working.

9. Physical and chemical properties

9.1 Appearance

Physical state: liquid

Form: liquid

Color: light yellow

Odor: Characteristic

Odor Threshold: not determined

pH: 7 - 8,5

Freezing point: not measured

Boiling Point: No data available

Flash Point: > 85 °C

Evaporation Rate: not measured

Flammability (solid, gas): no data available

Flammability Limit - Upper (%): not measured

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Flammability Limit - Lower (%): not measured
Vapor pressure: No data available.
Vapor density (air=1): not measured
Density: approx. 1,20 g/cm³ (20 °C)
Relative density: No data available.
Solubility in Water: No data available.
Solubility (other): not measured
Partition coefficient (n-octanol/water): not measured
Autoignition Temperature: not measured
Decomposition Temperature: not measured
Kinematic viscosity: No data available.
Dynamic viscosity: No data available
Explosive properties: not measured
Oxidizing properties: No data available.

10. Stability and reactivity

10.1. Reactivity

The product itself does not burn.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Heat, UV-radiation/sunlight,

10.5. Incompatible materials

Oxidising substances; Strong acid; strong base

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. In case of fire: Gases/vapours, toxic

11. Toxicological information

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

glycerol CAS No.: 56-81-5 EC No.: 200-289-5

LD50 oral: >20 – <39,800 mg/kg (rat)

LD50 dermal: 56,750 mg/kg (guinea pigs)

sodium 4-oxovalerate CAS No.: 19856-23-6 EC No.: 243-378-4

LD50 oral: >300 – <2,000 mg/kg (Ratte)

LD50 dermal: >2,000 mg/kg (Ratte)

sodium anisate CAS No.: 536-45-8 EC No.: 208-634-1

LD50 oral: >5,000 mg/kg (Rat) OECD 401 Read-across from p-anisic acid (CAS 100-09-4)

Acute oral toxicity:

Harmful if swallowed.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

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Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

11.2. Information on other hazards

Endocrine disrupting properties:

No information available.

12. Ecological information

12.1. Toxicity

glycerol CAS No.: 56-81-5 EC No.: 200-289-5

LC50: 54,000 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

sodium 4-oxovalerate CAS No.: 19856-23-6 EC No.: 243-378-4

LC50: >100 mg/L (fish)

EC50: 6,234 mg/L (crustaceans, *Daphnia*)

EC50: 1,098 mg/L (Algae/water plant)

LC50: >100 mg/L 4 d (fish, *Danio rerio* (previous name: *Brachydanio rerio*))

sodium anisate CAS No.: 536-45-8 EC No.: 208-634-1

LC50: >100 mg/L 4 d (fish, *Oncorhynchus mykiss*) OECD 203

EC50: 943 mg/L 2 d (crustaceans, *Daphnia magna*) OECD 202, *Daphnia magna*, read-across from p-anisic-acid CAS No. 100-09-4)

ErC50: >320 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata*)

LC50: >100 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

EC50: >320 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

EC50: 943 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

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NOEC: 32 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

LOEC: 100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

12.2. Persistence and degradability

sodium 4-oxovalerate CAS No.: 19856-23-6 EC No.: 243-378-4

Biodegradation: Yes, rapidly

Remark: OECD 301F (read across)

sodium anisate CAS No.: 536-45-8 EC No.: 208-634-1

Biodegradation: Yes, rapidly

Remark: OECD 301F

12.3. Bioaccumulative potential

glycerol CAS No.: 56-81-5 EC No.: 200-289-5

Log KOW: 1.75

sodium 4-oxovalerate CAS No.: 19856-23-6 EC No.: 243-378-4

Log KOW: 0.616

sodium anisate CAS No.: 536-45-8 EC No.: 208-634-1

Log KOW: 0.53

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

glycerol CAS No.: 56-81-5 EC No.: 200-289-5

Results of PBT and vPvB assessment: —

sodium 4-oxovalerate CAS No.: 19856-23-6 EC No.: 243-378-4

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

sodium anisate CAS No.: 536-45-8 EC No.: 208-634-1

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

14. Transport information

14.1 International Regulations

UN-RTDG: Not regulated as a dangerous goods

IATA-DGR: Not regulated as a dangerous goods

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IMDG-Code: Not regulated as a dangerous goods

14.2 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

14.3. Transport hazard class(es)
not relevant not relevant not relevant not relevant
14.4. Packing group
not relevant not relevant not relevant not relevant
14.5. Environmental hazards
not relevant not relevant not relevant not relevant
14.6. Special precautions for user
not relevant not relevant not relevant not relevant
14.7. Maritime transport in bulk according to IMO instruments
No data available

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available
15.2. Chemical safety assessment
No data available

16. Additional information

Hazard statements
H302 Harmful if swallowed.
H318 Causes serious eye damage.

16.1 Abbreviations:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal

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Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.