Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

ACMELLA EXTRACT

01 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- Trade name:
  ACMELLA EXTRACT
- Definition:
  Oily (MCT) Extract of Spilanthes Acmella flower.
- INCI (PCPC):
  Caprylic/Capric Triglyceride (and) Spilanthes Acmella Flower Extract
- Relevant identified uses of the substance or mixture and uses advised against
- Uses of the substance/mixture:
  Ingredient (raw material) for cosmetic use.
- **Details of the supplier of company**
- Supplier:
  ELEMENTAL SRL
  Cazarmii no.15
  410188 Oradea
  Romania
  Tel: (40) 259 436755
  Fax: (40) 259 436755
  office@elemental.eu
- Emergency telephone number:
  Tel: (40) 21 318 3606 Biroul pentru regulamentul Sanitar Internațional și Informare Toxicologică

02 HAZARDS IDENTIFICATION

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  Void
  The product is not classified as hazardous to health or environment according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Not applicable.
- Information concerning particular hazards for human and environment:
  The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Label elements
- Labelling according to EU guidelines:
  The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV) .
- **GHS label elements**
  Void

- **US NFPA 704 (National Fire Protection Association) Hazard Rating System**
- Health hazard:
  Rating 0: Normal material.
- Flammability:
  Rating 0: Will no burn.
- Reactivity:
  Rating 0: Stable.
- Other hazard information:
  None.

03 COMPOSITION DATA ON INGREDIENTS

- **Chemical characterization:**
- Composition :
  Mixture: consisting of the following components.

CAS N°	Description	Index	R-phrases	%
73398-61-5	Glycerides, mixed decanoyl and octanoyl EINECS: 277-452-2			75.0<A1<100
90131-24-1	Acmella Oleracea ext./Spilanthes acmella ext. EINECS: 290--33-5-0			1.0<E<5.0

04 FIRST AID MEASURES

- Description of first aid measures
- **General information :**
  Immediately remove any clothing soiled by the product.
  No special measures required.
- **After inhalation:**
  Supply fresh air ; consult doctor in case of complaint.
- **After skin contact:**
  Wash with water and soap and rinse thoroughly.
  If skin irritation continues, consult a doctor.
- **After eye contact:**
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing :**
  Seek immediate medical advice.

05 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Advice for firefighters**
- Protective equipment:
  No special measures required.

06 ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
  Particular danger of slipping on leaked/spilled product.

- **Environmental precautions:**
  Do not allow product to reach sewage system or any water course.

- **Methods and material for containment and cleaning up:**
  Pick up mechanically.
  Ensure adequate ventilation.

07 HANDLING AND STORAGE

- **Handling:**
- Precautions for safe handling
  No special measures required.
- Information about fire - and explosion protection:
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
- **Storage:**
- Requirements to be met by storerooms and receptacles:
  No special requirements.

08 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Control parameters
- **Ingredients with limit values that require monitoring at the workplace:**
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information:
  The lists valid during the making were used as basis.
- Exposure controls



- **Personal protective equipment:**
- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
- Breathing equipment : Not necessary if room is well-ventilated.
- Hand protection : Protective gloves
- Eye protection : Safety glasses
- Body protection : Protective work clothing

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance :	
Form:	Fluid
Colour:	Light yellow
Odour:	Light
Boiling point/Boiling range:	> 250 °C Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).
Flash point:	250,0 °C Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).
Flammability (solid, gaseous):	Not applicable.
Ignition temperature (auto-ignition):	> 350,00 °C Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).
Danger of explosion:	Not determined.
Vapour pressure:	Very low. < 0.01 (20°C). Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).
Relative density :	0,930 - 0,960
Vapour density	Not determined.
Solubility in / Miscibility with water:	Insoluble.

10 STABILITY AND REACTIVITY

- Reactivity
- Chemical stability
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- **Dangerous decomposition products:**
  Incomplete combustion releases carbon monoxide and carbon dioxide.

11 TOXICOLOGICAL INFORMATION

Summary :
A summary of the evaluation is presented here after.

- **Acute toxicity:**
- LD/LC50 values relevant for classification:
  Oral, LD50: > 2001 mg/kg (rat)
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
- Primary irritant effect:
- on the skin:
  No irritant effect.
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
- on the eye:
  No irritating effect.
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
- Sensitization:
  No sensitizing effects known.
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
- **Subacute to chronic toxicity:**
  No data available.

Toxicological information about product :
Only the studies important for the product classification are listed here after.

- Primary cutaneous and corrosive irritation :

- Species : Rabbit
- Concentration : Pure
- Result : Non irritant.

- Ocular irritation and reversibility :

- Species : Rabbit
- Concentration : Pure
- Result : Slightly irritant.

- Acute toxicity (oral) :

- Species : Rat
- Concentration : Pure
- Result : LD50 > 2000 mg/kg bw.

- Mutagenicity/Genotoxicity :

- Method : Ames - Reverse Mutation Test Using Bacteria. With and without metabolic activation.
- Result : Negative.
- Other studies : Results (both studies): negative.
Mammalian Erythrocyte Micronucleus Test.
Mammalian Cell Gene Mutation Test.

12 ECOLOGICAL INFORMATION

Summary :
A summary of the evaluation is presented here after.
- Toxicity
- Acquatic toxicity:

73398-61-5 ***Glycerides, mixed decanoyl and octanoyl***
fish, LC0 : (96H) > 53 mg/l
alga, EC50 (S): (72H) > 0.449 mg/l
daphnia, LOEC : (21DAYS) > 0.01 mg/l
alga, NOEC (S): (72H) > 0.449 mg/l
daphnia, NOEC : (21DAYS) > 0.01 mg/l
daphnia, EC50 : (48H) > 100 mg/l
/, Biodegradabilit : (28DAYS) > 92 %
/, log P oct/wat : > 8 (CALCUL) /

- **Persistence and degradability**
  Easily biodegradable
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
  Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).

- **Behaviour in environmental systems:**
- Bioaccumulative potential
  A worth-mentioning accumulation in organisms is not expected.
  Not classified (Dangerous Preparations Directive DPD 88/379/EEC).
  Extrapolation from main components of the mixture (read across): Glycerides, mixed decanoyl and octanoyl (CAS 73398-61-5).

- **Results of PBT and vPvB assessment**
  Not classified PBT and vPvB (Annex VI Regulation (EC) No 1272/2008).

Indications about product :
No ecotoxicity study has been done on the product.

13 DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- Recommendation about product :
  Must be disposed of an incinerator.
- Recommendation about packaging :
  Disposal must be made according to official regulations.
  Packaging may be reused or recycled after cleaning.

14 TRANSPORT INFORMATON

- **Land transport ADR/RID (cross-border)**
  Not regulated.
- **Maritime transport IMDG:**
  Not regulated.
- **Air transport ICAO-TI and IATA-DGR:**
  Not regulated.
- **Environmental hazards:**
  Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  Not applicable.

15 REGULATORY INFORMATION

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

- **Labelling according to EU guidelines:**
  The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV) .

- **National regulations:**

- Additional classification according to Decree on Hazardous Materials, Annex II:
  Not classified.

- Classification according to VbF:
  Not classified.

- Classification WGK (Water hazard classes - Wassergefährdungsklassen):
  Wassergefährdungsklasse (WGK) : Not classified.

- **International rules :**

- USA :
All compounds of the substance are recorded in the US inventory TSCA (Toxic Substance Control Act).

16 OTHER INFORMATION

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.