

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Murrraya Stem anti-gravity Active

1. Identification of the substance/mixture and company

Product name: Murrraya Stem anti-gravity Active
INCI: Betaine, Water, Propanediol, Murrraya Koenigii Stem Extract
Uses: Cosmetic ingredient
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.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
Not classified according to the Regulation (EC) No. 1272/2008.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
Hazard pictogram:
Signal word:---
Hazard statements:---
Precautionary statements:---

2.3. Other hazards
Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended.
According to Regulation (EC) No 1272/2008: None known if handled in accordance with good industrial hygiene and safety practice.

3. Declaration of ingredients

3.1 Substances
Not applicable

3.2 Mixtures
Mixture: consisting of the following components. This section describes all components of the mixture. When no classification is mentioned below the identification of the substance, the substance shall be considered not classified according to Regulation EC 1272/2008.

CAS Number	INCI	%
107-43-7	Betaine	25.0<50.0
	EC number: 203-490-6	
	Record number 01-2119520508-42-XXXX	

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7732-18-5	Water	25.0<50.0
	EC number: 231-791-2	
	Record number NOT APPL. (ANNEX IV)	
504-63-2	Propanediol	25.0<B<50.0
	EC number: 207-997-3	
	Record number 01-2119489383-28-XXXX	
-	Murraya Koenigii Stem Extract	5.0<D<10.0
	EC number: 294-953-1	
	Record number EXEMPTED (< 1T)	

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediately medical attention.

Skin contact: Wash off with soap and plenty of water.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quit; seek immediately medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

None expected

4.3 Indication of any immediate medical attention and special treatment needed

None known

5. Fire fighting measures

5.1. Extinguishing media

Water, carbon dioxide, foam, dry powder

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Use air supplied breathing equipment for enclosed areas. Cool exposed containers with water spray. Avoid breathing vapor and fumes.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not try to clean up the leak without the proper protective equipment. Avoid direct eye contact.

6.2. Environmental precautions

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None known

6.3. Methods and material for containment and cleaning up

A spill can be contained by capping the container

For cleaning up a spill use a suitable absorbent and pump it into the correct container

6.4. Reference to other sections

No data available

7. Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices.

7.2. Conditions for safe storage, including any incompatibilities

Store protected from light and humidity in tightly closed vessels at room temperature.

7.3. Specific end uses

No data available

8. Exposure controls / personal protection

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Handle in accordance with good industrial hygiene and safety practice

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands: Protective gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

Body protection: Protective work clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form: Liquid

Colour: Brownish

Odour: Characteristic

Odour threshold: No data available

pH: 5.0 – 7.0

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Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility:	Solubility in water: Soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

9.2 Other information: No additional information available.

10. Stability and reactivity

10.1. Reactivity

No reactivity hazards known

10.2. Chemical stability

Stable under usual conditions

10.3. Possibility of hazardous reactions

No hazardous reactions known if stored and handled as recommended

10.4. Conditions to avoid

None known if stored and handled as recommended

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition

No hazardous decomposition products known if stored and handled as recommended

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

A summary of the evaluation is presented here after.

Acute toxicity

LD/LC50 values relevant for classification:

107-43-7 Betaine

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Oral, LD50: 11179 mg/kg (rat)

504-63-2 1,3-Propanediol

Oral, LD50: 15000 mg/kg (rat)

Dermal, LD50: > 20000 mg/kg (rabbit)

Inhalative, LC50: (4H) > 5 mg/l (rat)

Oral, SubChronicTox: NOEL = 1000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation

Not classified (Regulation CLP (EC) No 1272/2008).

Serious eye damage/irritation

Not classified (Regulation CLP (EC) No 1272/2008).

Respiratory or skin sensitisation

Not classified (Regulation CLP (EC) No 1272/2008).

Subacute to chronic toxicity:

Not classified (Regulation CLP (EC) No 1272/2008).

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Toxicological information about product :

Only the studies important for the product classification are listed here after. Contact us for the complete list of studies.

Primary cutaneous and corrosive irritation :

- Species : In vitro

- Concentration :

Pure

- Result :

Non irritant.

- Reference : In vitro skin irritation - OECD TG 439 / STUDY No 1962705 (GLP)

Ocular irritation and reversibility :

- Species : In vitro

- Concentration :

Pure

- Result : Mean In Vitro Irritancy Score (IVIS)= 0.26

Non irritant.

12. Ecological information

12.1. Summary

A summary of the evaluation is presented here after.

Toxicity: No further relevant information available.

12.2 Persistence and degradability

Not classified (Regulation CLP (EC) No 1272/2008).

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Behaviour in environmental systems: No data available.

12.3 Bioaccumulative potential

Not classified (Regulation CLP (EC) No 1272/2008).

A worth-mentioning accumulation in organisms is not expected.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Aquatic toxicity:

107-43-7 Betaine

EC50: 1199 mg/l (alga) (72h)

EC50: 4335 mg/l (daphnia) (48h)

Biodegradability: 88 % (28d)

504-63-2 1,3-Propanediol

LC50 (static): (96H) > 9720 mg/l (fish) ((Pimephales promelas) (OECD203)

EC50 (static): (72H) > 10000 mg/l (alga) ((Desmodesmus subspicatus)(OECD 201)

EC50 (static): (48H) = 7417 mg/l (daphnia) ((Daphnia magna) (eq. OECD202)

log P oct/wat: -1 (CALCULATED) / (/)

Biodegradability: (28DAYS) 71 % (/)

Not classified (Regulation CLP (EC) No 1272/2008).

12.5 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

13.1. Waste treatment methods

This material and its container should be disposed safely avoiding release to the environment. National and regional provisions that may be in force should be observed.

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.

Inland waterways transport (ADN)

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- 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-TI/IATA-DGR)

- 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 dangerous good in sense of this transport regulation.
- 14.7. Maritime transport in bulk according to IMO instruments: No dangerous good in sense of this transport regulation.

15. Regulatory information

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

Relevant national laws should be carefully observed.

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.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

Not classified SVHC.

International rules : - USA : Conforms to US TSCA (Toxic Substance Control Act). Substances that are regulated under other federal regulations (ie food additives, drug, cosmetics etc) are not subject to TSCA.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for the substance/mixture

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16. Additional information

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; Regula-tion (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 - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional 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 popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional 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) Ef-fect 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 sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) 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 Re-striction 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; TECI - 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.