



Safety Data Sheet
*according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010*

WU ZHU EXTRACT

Date: 23/10/2018

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: Wu Zhu Extract

INCI Name: Propanediol, Evodia Rutaecarpa Fruit Extract

Definition: Glycolic (Propanediol) extract of Evodia fruit.

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

Uses of the substance/mixture:

Ingredient (raw material) for cosmetic use.

For additional information on the fields of use of this product, please contact us.

1.3 Details of the supplier of the safety data sheet

Aromantic Ltd

15 Greshop Road

Forres

Moray

IV36 2GU

Tel: +44 (0)1309 696900

Fax: +44 (0)1309 696911

Email: info@aromantic.co.uk

1.4 Emergency telephone number

Health and Safety Executive (HSE) Chemicals Regulation Directorate

5S.1 Redgrave Court, Merton Road, Bootle, Merseyside. L20 7HS

Telephone: +44 151 951 3317

Email: biocidesenquiries@hse.gsi.gov.uk

REACH and CLP UK CA Help Desk, Health and Safety Executive

2.3 Redgrave Court, Merton Road, L20 7HS Bootle, Merseyside

Email: ukreachca@hse.gsi.gov.uk

2. Hazards Identification

2.1 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.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Hazard statements: Void.

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.

2.3 Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/Information on ingredients

3.1 Substances

3.2 Mixtures

Description:

Dangerous components:

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 and Directive 67/548/EEC.

CAS NO.	Description Index R-phrases	%
504-63-2	1,3-Propanediol EC number: 207-997-3 Record number 01-2119489383-28-XXXX	75.0<A1<100
1174710-48-5	Evodia rutaecarpa extract EC number: NOT- AP-PL. Record number EXEMPTED (< 1T)	5.0<D<10.0

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures

4.1 Description of first aid measures

General information: 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.

Information for doctor: No further relevant information available.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.

Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

No special measures required.

Protective equipment: No special measures required.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Ensure adequate ventilation.

6.4 Reference to other sections

7. Handling and Storage

7.1 Precautions for safe handling

Handling

No special measures required.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

No special requirements.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: -

7.3 Specific end use(s)

No further relevant information available.

8. Exposure Controls/Personal Protection

8.1 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.

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 cannot 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

Appearance:

Form: Fluid.

Colour: Brown.

Odour: Characteristic.

Boiling point/Boiling range: > 214.0 °C

Flash point: > 130.0 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature (auto-ignition): > 342.00 °C

Danger of explosion: Product does not present an explosion hazard.

Solubility in / Miscibility with water: Soluble.

pH-value: at 20.00 °C 5.5 - 8.0

9.2 Other information

10. Stability and Reactivity

10.1 Reactivity

Stable.

10.2 Chemical stability

Stable

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

11. Toxicological Information

11.1 Information on toxicological effects

A summary of the evaluation is presented here after.

Acute toxicity:

LD/LC50 values relevant for classification:

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:

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: Not classified (Dangerous Preparations Directive DPD 88/379/EEC).

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:

The toxicity assessment of our product is based on a read-across approach (structurally related substances). Health effects of our product are predicted from data on similar substances.

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

Cutaneous irritation: In vitro skin irritation - OECD guideline 439.

Concentration: Pure.

Result: Non irritant.

Reference: Supplier's data.

Ocular irritation: Bovine corneal opacity and permeability assay - OECD TG 437

Concentration: Pure.

Result: Not Classified R41: Risk of serious damage to eye. Not classified in CLP/GHS category 1: Irreversible effects on the eye.

Reference: Supplier's data.

Mutagenicity/Genotoxicity:

Method: Ames - Reverse Mutation Test Using Bacteria. With and without metabolic activation.

Concentration: Pure.

Result: Negative.

Reference: Supplier's data.

Other studies: In vitro mammalian cell gene mutation assay (Mouse lymphoma assay) (OECD 476): Non mutagenic. In vitro micronucleus test using HPBL (OECD TG 487): Non mutagenic.

12. Ecological Information

12.1 Toxicity

A summary of the evaluation is presented here after.

Aquatic toxicity:

504-63-2 1.3-Propanediol

fish, LC50: (96H) > 9720 mg/l

alga, EC50: (72H) 1600 mg/l

daphnia, EC50 : (48H) 7417 mg/l

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

/, Biodegradability: (28DAYS) 71 %

12.2 Persistence and degradability

Easily biodegradable.

Not classified (Dangerous Preparations Directive DPD 88/379/EEC).

Extrapolation from Propanediol (CAS 504-63-2).

12.3 Bioaccumulative potential

A worth-mentioning accumulation in organisms is not expected.

Not classified (Dangerous Preparations Directive DPD 88/379/EEC).

Extrapolation from Propanediol (CAS 504-63-2).

12.4 Mobility in soil

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.

The ecotoxicity assessment of our product is based on a read-across approach (structurally related substances).

Environment effect and environmental fate of our product are predicted from data on similar substances.

12.6 Other adverse effects

13. Disposal Considerations

13.1 Waste treatment methods

Recommendation: Must be disposed of in an incinerator.

Recommendation about packaging:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

14. Transport Information

14.1 UN number

Land transport ADR/RID (cross-border): Not regulated.

Inland shipping ADN: Not regulated.

Maritime transport IMDG: Not regulated.

Air transport ICAO-TI and IATA-DGR: Not regulated.

14.2 UN proper shipping name

Land transport ADR/RID (cross-border): Not regulated.

Inland shipping ADN: Not regulated.

Maritime transport IMDG: Not regulated.

Air transport ICAO-TI and IATA-DGR: Not regulated.

14.3 Transport hazard class(es)

Land transport ADR/RID (cross-border): Not regulated.

Inland shipping ADN: Not regulated.

Maritime transport IMDG: Not regulated.

Air transport ICAO-TI and IATA-DGR: Not regulated.

14.4 Packing group

Land transport ADR/RID (cross-border): Not regulated.

Inland shipping ADN: Not regulated.

Maritime transport IMDG: Not regulated.

Air transport ICAO-TI and IATA-DGR: Not regulated.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Land transport ADR/RID (cross-border): Not regulated.

Inland shipping ADN: Not regulated.

Maritime transport IMDG: Not regulated.

Air transport ICAO-TI and IATA-DGR: Not regulated.

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

Not applicable.

15. Regulatory Information

15.1 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): Not classified.

Classification HMIS (Hazardous Materials Identification System)

Health: Cat 0: no significant risk to health.

Flammability: Cat 0: Materials that will not burn.

Reactivity (HMIS® I and II - now obsolete). Please consult NFPA classification.

Physical Hazard (HMIS® III): Cat 0: Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.

Personal Protection: Cat C: Safety glasses + Gloves + Protective apron.

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

16. Other Information

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information contained in this SDS is accurate to the best of our knowledge and has been obtained from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for the use of this product.

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