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| SDS #: 1667 | Polluout® Detox | REVISION: 00 DATE: December/ 2022 |
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1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

1.1.1. **Trade Name:** Polluout® Detox.

1.1.2. **INCI Name:** (Suggested) Sodium Polyitaconate (and) Sodium Citrate (and) Sapindus Mukorossi Fruit Extract.

1.2. **Relevant identified uses of the substance or mixture and uses advised against:** SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites / PC39 Cosmetics, Personal Care Products.

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer/supplier: Chemyunion Ltda

Address: Avenida Independência, 1501, Iporanga. CEP: 18087-101- Sorocaba – São Paulo.

Phone: +55 (15) 2102-2000

Fax: +55 (15) 2102-2005

e-mail address of competent person responsible for the SDS: vendas@chemyunion.com

1.4. **Emergency telephone number:** +55 (15) 2102-2002 / +55 (15) 2102-2086 / Suatrans +55 (11) 3526-3526 or 0800 707 7022

2 – HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. **Classification according to Regulation (EC) No. 1272/2008 (CLP) / GHS:** Product not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) /Globally Harmonized System (GHS).

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 (CLP) / GHS

Hazard pictograms: Not required.

Signal Word: Not required.

Hazard Statements: Not required.

Precautionary statements: Not required.

2.3. **Other hazards which do not result in classification:** None known.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

| CAS Number | Identification name | Weight % content (or range) | REACH Registration |
|------------|---------------------|-----------------------------|--------------------|
| - | - | - | - |

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3.2. Mixture

Description of the mixture: Active composed by polydentated polymeric chelating agent, chelating agent derived from alpha hydroxy acid and biosurfactant extracted from the fruit of *Sapindus mukorossi*.

| Ingredient (INCI or Chemical Name) | CAS Number | EC Number* | Concentration Range % (w/w) | REACH Registration | Classification according to Regulation (EC) No. 1272/2008 (CLP) / GHS |
|--|--------------|---------------|-----------------------------------|--|---|
| Sodium Polyitaconate | 26099-89-8 | - | 35.00 - 63.90 | Exempt (Below 1 Tonne per Year) | Not classified according to CLP/ GHS |
| Sodium Citrate | 994-36-5 | 213-618-2 (I) | 35.00 - 61.00 | Exempt (Below 1 Tonne per Year) | Serious eye damage / eye irritation: Category 2 - H319 |
| Sapindus Mukorossi Fruit Extract | 1175539-51-1 | - | 0.10 – 5.00 | Exempt (Annex V) | Not classified according to CLP/ GHS |

* EINECS – (I); ELINCS – (L); No-Longer Polymer – (NLP)

Additional Information: None.

4 – FIRST AID MEASURES

4.1. Description of first aid measures

- 4.1.1. General Notes:** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.
- 4.1.2. Following Inhalation:** Remove the victim to fresh air and seek immediate medical attention, if necessary. If not breathing, give artificial respiration or oxygen.
- 4.1.3. Following Skin contact:** In case of skin contact, wash skin with soap and water and remove the contaminated clothes and shoes. If skin irritation persists, seek medical attention immediately.
- 4.1.4. Following Eye contact:** In case of contact with eyes, flush eyes with plenty of clean water, keeping the eyes opened to assure the product's removal. If irritation persists, seek medical attention immediately.
- 4.1.5. Following Ingestion:** Wash mouth abundantly with water. Do not induce vomit or ingest liquid unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention.
- 4.1.6. Self-protection of the first aider:** Wear proper personal protective clothing and equipment.

4.2. Most important symptoms / Effects, both acute and delayed: Product not classified as hazardous according to CLP/GHS.

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4.3. Indication of any immediate medical attention and special treatment needed: Symptomatic treatment. Do not induce vomit.

5 – FIRE-FIGHTING MEASURES

5.1. Extinguishing media

5.1.1. Suitable extinguishing media: Dry chemical, carbon dioxide, foam, and water in fog form.

5.1.2. Unsuitable extinguishing media: Water stream.

5.2. Special hazards arising from the substance or mixture

5.2.1. Hazardous combustion products: In case of fire, carbon dioxide, carbon monoxide and water in fog form may be released. In certain combustion conditions, traces of other toxic substances may not be excluded.

5.3. Advice for fire-fighters: Full protective clothing, including breathing apparatus.

6 – ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Use appropriate protection equipment (Section 8).

Emergency procedures: Do not walk on the spilled product.

6.1.2. For emergency responders: Use appropriate protection equipment (Section 8).

6.2. Environmental precaution: Avoid material from entering drains and rivers.

6.3. Methods and materials for containment and cleaning up

6.3.1 For containment: Dispose it, in an appropriated container, in compliance with local laws and regulation.

6.3.2 For cleaning up: Remove the product mechanically with adequate absorbent material, as shovel, broom, etc., disposing it in an appropriated container. For washing, use plenty of water (heated to 70-80°C) and common detergent.

6.3.3 Other information: None.

6.4. Reference to other sections: Protection equipment see Section 8.

7 – HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire: Product not flammable under usual conditions. Keep preemptively away from sources of ignition and heat.

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Measures to prevent aerosol and dust generation: Not applicable.

Measures to protect the environment: Avoid material from entering drains and rivers.

7.1.2. Advice on general occupational hygiene: Wash contaminated clothing before reuse. Wash hands before and after handling. Use disposable surgical mask to prevent contamination of the product. Do not eat, drink or smoke when handling the product.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions: Store in a sheltered, dry, ventilated area, at room temperature. Product remains stable until expiry date indicated if stored in its original sealed packaging. Wear a disposable surgical mask to avoid contamination of the product. Avoid product exposure to air and contamination. Hygroscopic product, make sure that the packaging is properly sealed after use or sampling.

7.2.2. Packaging materials: Package properly sealed and labeled.

7.2.3. Requirements for storage rooms and vessels: None specific requirement necessary.

7.2.4. Storage class: Not applicable.

7.2.5. Further information on storage conditions: Protect containers against damage.

7.3. Specific end use(s)

7.3.1. Recommendations: Industrial use.

7.3.2. Industrial sector specific solutions: Cosmetic industry.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit: Not available.

8.1.2. Recommended monitoring procedures: No special requirements under normal use conditions.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Substance/mixture related measures to prevent exposure during identified uses: Use appropriated protection equipment.

Structural measures to prevent exposure: No engineering control measure is required. However, it is recommended ensure adequate ventilation and keep shower and eyewash near the workplace.

Organisational measures to prevent exposure: Provide appropriated protection equipment (Section 8.2.2).

Technical measures to prevent exposure: No special requirements under normal use conditions.

8.2.2. Personal protection equipment

Eye and face protection: Safety glasses.

Skin protection:

Hand protection: Protective gloves.

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Other skin protection: Apron or Laboratory coat and rubber or PVC boots.

Respiratory protection: Disposable mask.

Thermal hazards: Not applicable.

8.2.3. Environmental exposure controls

Substance/mixture related measures to prevent exposure: Avoid material from entering drains and rivers.

Instruction measures to prevent exposure: No special requirements under normal use conditions.

Organisational measures to prevent exposure: Avoid material from entering drains and rivers.

Technical measures to prevent exposure: No special requirements under normal use conditions.

9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

9.1.1. Appearance: Powder. White to beige. May have a greenish tonality. May have variation on its colour from white to yellow.

9.1.2. Odour: Characteristic.

9.1.3. Odour threshold: Not available.

9.1.4. pH: 4.50 – 8.00 (Aqueous solution at 2% w/w, 25°C)

9.1.5. Melting point/Freezing point: Not available.

9.1.6. Initial boiling point/Boiling range: Not available.

9.1.7. Flash point: > 300°C.

9.1.8. Evaporation rate: Not applicable.

9.1.9. Flammability (solid, gas): Not applicable.

9.1.10. Upper/lower flammability or explosive limits: Not applicable.

9.1.11. Vapour pressure: Not applicable.

9.1.12. Vapour density: Not applicable.

9.1.13. Relative density: approximately 0.712 g/cm³.

9.1.14. Solubility(ies): Soluble in water, insoluble in oil.

9.1.15. Partition coefficient (n-octanol/water): Not available.

9.1.16. Auto-Ignition temperature: Not available.

9.1.17. Decomposition temperature: Not available.

9.1.18. Viscosity: Not available.

9.1.19. Explosive properties: Not available.

9.1.20. Oxidising properties: Not available.

9.2. Other information: None.

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10 – STABILITY AND REACTIVITY

- 10.1. Reactivity:** Not available.
- 10.2. Chemical Stability:** Product is stable under regular conditions.
- 10.3. Possibility of hazardous reactions:** None known.
- 10.4. Conditions to avoid:** Dust, humidity, open packaging, inappropriate handling.
- 10.5. Incompatible materials:** None known.
- 10.6. Hazardous decomposition products:** In case of fire, carbon dioxide, carbon monoxide and water in fog form may be released. In certain combustion conditions, traces of other toxic substances may not be excluded.

11 – TOXICOLOGICAL INFORMATION

11.1. Acute Toxicity

11.1.1. Oral

| Test / Type | Result |
|----------------|--|
| Not available. | Chemical not classified as hazardous according to CLP/GHS. |

11.1.2. Dermal

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.1.3 Inhalation

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.2. Skin corrosion/Irritation

| Test / Type | Result |
|--|---|
| Repeated Dermal Irritation (HRIPT) / Clinical Assessment | It was not observed repeated dermal irritant potential. |
| Primary Dermal Irritation (HRIPT) / Clinical Assessment | It was not observed primary dermal irritant potential. |
| Photoirritation / Clinical Assessment | It was not observed photoirritation potential. |

11.3. Serious eyes damage /Irritation

| Test / Type | Result |
|----------------------|---------------|
| BCOP / In vitro Test | Non irritant. |

11.4. Respiratory or Skin Sensitization

| Test / Type | Result |
|--|---|
| Photosensitization / Clinical Assessment | It was not observed photosensitization potential. |
| Dermal Sensitization (HRIPT) / Clinical Assessment | It was not observed skin sensitization potential. |

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11.5. Germ cell mutagenicity

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.6. Carcinogenicity

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.7. Reproductive toxicity

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.8. STOT-Single exposure

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.9. STOT-repeated exposure

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.10. Aspiration Hazard

| Test / Type | Result |
|---------------|--|
| Not available | Chemical not classified as hazardous according to CLP/GHS. |

11.11. Specific effects

| Test / Type | Result |
|--|---------------|
| Mutagenicity (Ames Test) / In vitro test | No mutagenic. |

12 – ECOLOGICAL INFORMATION

12.1. Toxicity

| Test / Type | Result |
|----------------|--|
| Not available. | Chemical not classified as hazardous according to CLP/GHS. |

12.2. Persistence and degradability: 100% Biodegradable.

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12.3. Bioaccumulative potential: Not available.

12.4. Mobility in soil: Not available.

12.5. Results of PBT and vPvB assessment: Not available.

12.6. Other adverse effects: Not available.

13 – DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1 Product / Packaging disposal: Do not reuse the package. Dispose in compliance with local laws and regulation.

Waste codes / waste designations according to LoW: Not available.

13.1.2 Waste treatment-relevant information: Dispose in compliance with local laws and regulation.

13.1.3 Sewage disposal-relevant information: Dispose in compliance with local laws and regulation.

13.1.4 Other disposal recommendations: None.

13.1.1. Appropriate disposal of contaminated packaging: Dispose in compliance with local laws and regulation.

14 – TRANSPORT INFORMATION

14.1. UN number:

Not regulated

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class:

Not applicable

14.4. Packaging group:

Not applicable

14.5. Environmental hazards:

Not applicable

14.6. Special precautions for user: None.

14.7. Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable.

15 – REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislations specific for the substance or mixture: : In compliance with Occupational Safety and Health regulations.

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15.2. Chemical Safety Assessment: Not available.

Additional Information: None.

16 - OTHER INFORMATION

16.1. Training advice: Not required.

16.2. Recommended restrictions on use: None.

16.3. Further information:

Factory Address: Avenida Independência, 1501. Iporanga. Sorocaba. São Paulo. Brazil. CEP 18087-101

Phone: +55 (15) 2102-2000

Fax: +55 (15) 2102-2005

16.4. Sources of key data used:

NBR 14725 – Ficha técnica de Segurança de Produtos Químicos – FISPQ

ONU - GHS: Globally Harmonized System

Regulation (EC) N°. 1907/2006 (REACH)

Regulation (EC) N°. 1272/2008 (CLP)

16.5. Revision Number:

16.5.1. Subject of revision (added, deleted or revised information):

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions to the operations mentioned are beyond our control. The information relates only to the specific designated material and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. **Chemyunion Ltda.** disclaims any liability for loss or damage resulting from the use of these data, information or suggestions. All of these data, information and suggestion are of good faith.

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| Document | Revision | 00 | | | | | |
| Alterations Report | Alterations Request | 16695/22 | | | | | |