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## SECTION I - PRODUCT IDENTIFICATION

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|---------------------------------|--|
| <b>Product name</b>             | Elderberry Extract   |
| <b>Synonyms and other names</b> | Sambucus nigra Fruit Extract   |
| <b>Recommended uses</b>         | Not available.   |
| <b>Material uses</b>            | Topical Cosmetic Use; Antimicrobial  |
| <b>Supplier</b>                 | Rawpharma Biz Private Limited<br>1101, City Center 2,<br>Science City Road, Sola,<br>Ahmedabad, Gujarat-380060 |

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Contact - +91 98795 22397

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## SECTION 2 - HAZARDS IDENTIFICATION

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|-------------------------------|--|
| <b>Product classification</b> | Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)   |
| <b>Other information</b>      | P233: Keep container tightly closed<br>P281: Use personal protective equipment as required<br>P402: Store in a dry place<br>P404: Store in a closed container<br>P410: Protect from sunlight<br>P411: Store at temperatures not exceeding 25°C |

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## SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

| <b>Composition</b> | <b><u>Ingredient</u></b>     | <b><u>CAS #</u></b> | <b><u>Percentage</u></b> |
|--------------------|------------------------------|---------------------|--------------------------|
|                    | Sambucus Nigra Fruit Extract | 84603-58-7          | 100.00%                  |

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## SECTION 4 - FIRST AID MEASURES

|                     |   |
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| <b>General</b>      | In all cases of doubt, or when symptoms persist, seek medical attention.  |
| <b>Eye contact</b>  | Immediately rinse with water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician. |
| <b>Skin contact</b> | Rinse with soap and water. Get medical advice if irritation develops.   |
| <b>Inhalation</b>   | Move to fresh air from exposure area. Get medical attention for any breathing difficulty.                         |

# SAFETY DATA SHEET

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## SECTION 5 - FIRE AND EXPLOSION DATA

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| <b>Fire extinguishing procedures</b>             | Extinguishing media: Dry chemicals, foam & carbon dioxide.   |
| <b>Special remarks on fire/explosion hazards</b> | Not considered to be a fire and explosion hazard.  |
| <b>Fire fighting media and instructions</b>      | Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area.<br><br>Protection for fire-fighters: Boots, gloves, goggles. |

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| <b>Protective clothing in case of spill and leak</b>        | Avoid contact with eyes. Personal Protective Equipment: Protective goggles   |
| <b>Environmental precautions</b>                            | Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system  |
| <b>Methods and material for containment and cleaning up</b> | Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Wash non-recoverable remainder with water. For disposal of residues refer to sections 13. |

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## SECTION 7 - HANDLING AND STORAGE

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| <b>Handling precaution</b> | Labeling: Keep out of the reach of children. For industrial use, only as directed. Wash hands after use. Avoid storage near feed or food stuff.   |
| <b>Storage precaution</b>  | Keep container closed. Store in a cool, dry place. This product should be stored at room temperature (23 - 25°C). It should not be exposed to excessive heat or cold. Do not freeze. Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity).<br><br>Product may be packaged in normal commercial packaging. Recommended - Polypropylene & High Density Polyethylene. |

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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|                                     |                              |
|-------------------------------------|------------------------------|
| <b>Exposure limits</b>              | Not Determined.              |
| <b>Engineering controls</b>         | Ensure adequate ventilation. |
| <b><u>Personal protection :</u></b> |                              |
| <b>Inhalation</b>                   | Local exhaust.               |

# SAFETY DATA SHEET

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|--|---|
| <b>Skin</b>                                | Protective gloves made of rubber or neoprene. Suitable protective clothing. |
| <b>Eye</b>                                 | Safety glasses. Eye fountain.   |
| <b>Other personal protective equipment</b> | Handle in accordance with good industrial hygiene and safety practice.      |

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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|   |   |
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| <b>Physical state and appearance</b>  | Clear to slightly hazy liquid. Light to medium amber.                               |
| <b>Odor</b>   | Characteristic.   |
| <b>Melting Point</b>  | Not applicable.   |
| <b>Boiling Point</b>  | > 180°C   |
| <b>Flash point</b>  | Not determined.   |
| <b>Flammability</b>   | Not considered to be a fire and explosion hazard.                                   |
| <b>Vapor pressure</b>   | < 0.1mm Hg  |
| <b>Vapor density</b>  | Not applicable.   |
| <b>Solubility</b>   | In water: Insoluble<br>In organic solvents: Not determined<br>Log P: Not determined |
| <b>Heavy Metals</b>   | < 20 ppm  |
| <b>Arsenic</b>  | < 3 ppm   |
| <b>Others (Viscosity, Decomposition temperature, Auto-ignition temperature, Relative density, Flammable limits, Evaporation rate, pH, Water/oil dist. coeff.)</b> | Not available.  |

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## SECTION 10 - STABILITY AND REACTIVITY DATA

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|---|--|
| <b>Stability / Reactivity</b>             | Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life. |
| <b>Possibility of hazardous reactions</b> | None known.  |
| <b>Conditions of instability</b>          | No dangerous reactions known under use of normal conditions. Avoid extreme heat.   |
| <b>Incompatibility</b>                    | No dangerous reaction known with common products.  |
| <b>Decomp. products</b>                   | None known.  |

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# SAFETY DATA SHEET

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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| <b>Acute effects</b>        | EC50 (Acute Daphnia): 125.0 mg/L - Not harmful to aquatic organisms  |
| <b>Eye</b>                  | Non-Irritant (Ocular Irritation Model).  |
| <b>Skin</b>                 | Non-Irritant (Dermal Irritation Model).  |
| <b>Inhalation</b>           | Not determined.  |
| <b>Ingestion</b>            | Not determined.  |
| <b>Sensitization</b>        | Non-Primary Irritant & Non-Primary Sensitizer (RIPT, In-Vitro Skin Sensitization Report & Direct Peptide Reactivity Assay)   |
| <b>Chronic effects</b>      | Repeated dose toxicity: No known effects<br>Subacute to chronic toxicity: Not Determined<br>Mutagenicity/genotoxicity: Non-mutagenic<br>Carcinogenicity: No known effects<br>Mutagenicity: No known effects<br>Reproductive toxicity: No known effects<br>Neuro-toxicity: No known effects |
| <b>For more information</b> | Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.  |

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## SECTION 12 - ECOLOGICAL INFORMATION

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|------------------------------------|---|
| <b>Ecotoxicity</b>                 | Effects on the aquatic environment: Not Determined                                      |
| <b>Persistence and degradation</b> | Persistence: Readily Biodegradable  |
| <b>Bioaccumulation</b>             | Octanol / water partition coefficient: Not Determined                                   |
| <b>Mobility in soil</b>            | Expected behavior of the product: Ultimate destination of the product: Soil & sediment. |

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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|---------------------------|---|
| <b>Waste Disposal</b>     | Do not allow the product to be released into the Environment. Dispose of in accordance with relevant local regulations. |
| <b>Container disposal</b> | Cleaning is not required prior to disposal.   |

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# SAFETY DATA SHEET

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## SECTION 14 - TRANSPORT INFORMATION

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| <b>United Nations number / Identification</b>        | None.           |
| <b>Transportation of Dangerous Goods Regulations</b> | Not regulated.  |
| <b>Packing group</b>                                 |                 |
| <b>Environmental hazards</b>                         | Not applicable. |
| <b>Bulk transport</b>                                |                 |

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## SECTION 15 - OTHER REGULATORY INFORMATION

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|---|---|
| <b>Federal, international and other regulations</b> | <p>EC regulations: This product does not need to be labeled in accordance with EC Directives or respective national laws</p> <p>United Kingdom: Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)</p> <p>Korea regulations: Industrial safety and hygiene regulation: No<br/>Hazardous material control regulation: No<br/>Fire prevention regulation: No</p> <p>EINECS inventory status: Sambucus Nigra Fruit Extract: 283-259-7<br/>TSCA inventory status: Exempt<br/>AICS inventory status: 84603-58-7<br/>Canadian (CEPA DSL) inventory status: Listed: Elder, sambucus nigra, ext. (DSL)<br/>Japan (MITI list): Sambucus Nigra Fruit Extract</p> <p>Korea: Sambucus Nigra Fruit Extract<br/>China inventory status: Sambucus Nigra Fruit Extract<br/>Philippines inventory status: Listed: Elder, sambucus nigra, ext.</p> |
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## SECTION 16 - OTHER INFORMATION

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| <b>Last Updated</b> | 27-12-2016 |
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IMPORTANT : The information presented herein is believed to be accurate and is obtained from current and reliable sources. Final determination of the suitability of the material is the sole responsibility of the user, this document is offered only as a guide. Users assume all risk of use, storage and handling of the product. Coop Coco & Calendula shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. Coop Coco & Calendula strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing.