



MATERIAL SAFETY DATA SHEET

NOT HAZARDOUS ACCORDING TO WORKSAFE CRITERIA

SECTION 1 - MATERIAL & SUPPLY COMPANY IDENTIFICATION

Product Name: Leucidal®
Botanical Name: leuconostoc/radish root ferment filtrate
Recommended Use: Cosmetics
Supplier: Escentials of Australia P/L
ABN: 22765784206
Address: 5/49 Gateway Drive
Telephone: 61 7 5442 4559
Email: escentialsaustralia@gmail.com
Web Site: www.escentialsaustralia.com

Section 2.

Component name	CAs Number	ECN	Percentage
leuconostoc/radish root ferment filtrate	1686112-10-6	283-918-6	48 – 52
Water	7732-18-5	231-791-2	48 - 52

Sections 3. Hazards. There are no known hazardous substances contained in this product.

Environmental Hazards: None

Human Health Hazards: None

Section 4. First Aid Measures

Inhalation: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. **Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops. **Eye Contact:** Rinse with water. Seek medical attention if irritation develops. **Ingestion:** -Consult with a physician

Section 5. Fire Fighting Measures

Extinguishing Media Suitable: Water, dry chemicals, foam, carbon dioxide **Not suitable:** None **Special**

Firefighting Procedures: None

Fire / Explosion Hazards: None **Hazardous**

Thermal Decomposition Products: None

Protection of Firefighters: Use adequate eye and skin protection; wear suitable self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions: None known **Environmental Precautions:** None **Methods of Cleanup:** Material is biodegradable and does not require special cleanup.

Section 7. Handling and Storage

Handling: No restrictions

Storage: Store at room temperature, DO NOT FREEZE. Do not store above 40 deg C. Do not allow prolonged exposure to sunlight.

Suitable Packaging materials: Tightly sealed container.

Unsuitable Packaging Materials: None

Section 8. Exposure Controls/Personal Protection

Ventilation: Additional ventilation beyond that of general exhaust is not normally required. No exposure limits exist for the constituents of this product. Protective Equipment for Routine Use of Product Respiratory

Protection: Provide adequate ventilation Skin Protection: Wear suitable clothing. Eye Protection: As with all chemicals, use safety glasses with side shields. Hand Protection: Protective gloves as needed

Exposure Limit - No Data Found

Section 9. Physical and Chemical Properties

Appearance and Odor: Yellow to light amber liquid; slightly hazy characteristic odor

Specific Gravity	1.14 – 1.18 (@ 25 Deg. C)
pH:	4.0 – 6.0
Freezing Point	0
Boiling Point	100 deg C
Vapour pressure	20mm Hg
Phenolics	18 – 22%
Heavy Metals	<20ppm
Arsenic	<2ppm
Oxidising properties	None (according to EC criteria)
Nynhydrin	Positive
Solubility:	Soluble in water , insoluble in oils
Best Before date:	12 months after opening

Section 10. Stability and Reactivity

Conditions to Avoid: Extreme heat

Chemical Incompatibility: Strong oxidizers

Hazardous Decomposition Products: None

Hazardous Polymerization: Not known to occur

Section 11. Toxicological Data & Effects

Acute Toxicity EC50 (Acute Daphnia) 131 mg/L Not harmful to aquatic organisms

Skin Irritation: In vitro dermal testing of similar materials show non-irritation

Eye Irritation: Not determined

Skin Sensitisation: Non-primary irritant & non primary sensitizer (RIPT, Invitro Skin sensitisation report) & Direct Peptide Reactivity Assay)

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH, or the EU substances directive.

Mutagenicity. Not expected to present a germ cell mutagenicity hazard.

Toxicity for reproduction. Not expected to affect reproduction or development.

Section 12. Ecological Information

Biodegradation: Readily biodegradable

Aquatic toxicity: No data available

Bioaccumulative potential: Not expected to bio-accumulate in aquatic organisms.

Results of PBT and vPvB:

Does not contain any substances that are assessed to be a PBT or a vPvB.

13. Disposal Considerations

Disposal Methods As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations or by incineration. 14. Transport Information

Road (U.S. DOT): Not regulated Air (IATA): Not regulated Sea (IMDG): Not regulated

Disclaimer

This Material Safety Data Sheet was prepared according to:

The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)].

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. Escentials of Australia provides the information contained herein in good faith but makes no representation as to

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