

MATERIAL SAFETY DATA SHEET

PARAMELA ESSENTIAL OIL

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ADESMIA BORONIOIDES ESSENTIAL OIL
Commercial Name: Paramela Organic Essential Oil
CAS#: 1088668-26-1
EINECS#: 920-374-7
Company's Name: Hierbas Patagónicas SRL
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2. COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

INCI NAME	CAS#	% Weight
ADESMIA BORONIOIDES FLOWER/LEAF/STEM OIL	1088668-26-1	100

Main components:

INCI NAME	CAS#	EINECS#	%
esquel-6-en-9-one	NA	NA	20-50
esquel-7-en-9-one	NA	NA	4-20
alfa-pinene	80-56-8	201-291-9	3-18
6,9-guaiadiene	NA	NA	1-10
gamma-eudesmol	NA	NA	1-10

Production process: Steam distillation

3. HAZARDS IDENTIFICATION

General Information: May cause eye and skin irritation. May cause respiratory and digestive tract irritation in case of a prolonged contact.

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

Not classified.

Classification according to Directive No 67/548/EEC/ Directive 1999/45/E:

Hazards Symbols: Xi: Irritant.

Risk Phrases: R 43 May cause skin sensitization.

Environment: When it is spilled, may infect the soil and subterranean water.

4. FIRST AID MEASURES

Inhalation: Get away from exposure and move to fresh air immediately.

Skin Contact: Remove contaminated clothing; wash thoroughly with mild soap and water for at least 15 minutes. Get medical attention if irritation develops.

Eyes Contact: Check for and remove any contact lenses. Rinse eyes with plenty of water for at least 15 minutes. Get medical aid if irritation occurs.

Ingestion: Rinse mouth with water several times then spit out. Do not induce vomiting. If larger quantities are swallowed, contact a doctor, hospital or poison information centre. For the ingestion of small amounts, drink lots of water.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂) dry powder, or foam.

Unsuitable extinguishing media: Do not use water jet directly on burning material.

Advice to fire-fighters:

- Containers close to the fire should be removed or cooled with water.
- Avoid breathing vapour or smoke emitted.
- Use breathing apparatus to protect from fumes.
- Avoid runoff of waters of fire into sewers.

6. ACCIDENTAL RELEASE MEASURES

Personal care: Avoid inhalation and skin and eyes exposure. The use of masks is recommended in case of large spill.

Spills/Leaks: Absorb spill with an inert material (sand or earth), then place in suitable container. Clean up the spill immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Environment Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

Handling: In accordance with the good practices of hygiene of the industries and with adequate ventilation and the use of individual protection (section 8). Don't drink, eat or smoke during handling.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep a minimum contact with the air.

Protection of fire: Keep far from ignition areas and flames.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: Avoid excessive inhalation and keep adequate ventilation. Wear possibly a respiratory mask in case of production of vapors, in particular if the product is warmed. Mask with filter anti-fog / gas type A1 or A2.

Eyes Protection: An eyes protection is necessary in case of splash risk, in this case wear appropriate protective eyeglasses or chemical safety goggles.

Skin Protection: Wear appropriate protective gloves and lab coat to prevent skin exposure.

Exposure Limits: Without reference.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (at 20°C)	: Viscous Liquid
Color	: Yellow
Odor	: Sweet /Red fruit
pH	: Not available
Viscosity	: Not apply
Freezing Point	: Not available
Boiling Point	: Not available
Melting Point	: Not available
Flash Point	: 65-100 °C
Vapor Pressure (kPa)	: Not available
Density (20°C Kg/L)	: 0.9580 – 0.9720
Solubility in water	: No
Solubility in ethanol	: Yes
Solubility in oil	: Yes
Partition Coefficient	: Not available
Refraction Index (at 20°C)	: 1.4940 – 1.4960
Rotational Power (at 20°C)	: Not available

10. STABILITY AND REACTIVITY

Reactivity: Doesn't represent significant risks of reactivity, isolated or in contact with water. Avoid contact with strong acid, alkaline substances or oxidant agents.

Chemical stability: Stable with normal handling and storage conditions.

Decomposition: In case of thermic decomposition, may form carbon monoxide and organic compounds not available.

11. TOXICOLOGICAL INFORMATION

Based in available toxicological dates and in accordance with the Directive 92/32/CE, this compound is not classified.

Cytotoxicity (in vitro): LC50 >0.1 mg/mL (3.16 mg/mL - PBS/1%DMSO).

Phototoxicity (in vitro): Not phototoxic (3.16 mg/mL - PBS/1%DMSO).

Mutagenesis study (Ames test): Not mutagenic (5 mg/plate in DMSO).

Sensitization (Human Patch Test): No sensitization reactions (5%w/w in ethanol).

Toxicity to animals: Not available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Toxic to aquatic organisms.

Persistence and degradability: The subject is completely biodegradable.

Bioaccumulative: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information: Avoid release into soil and water.

Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with state and local environmental control regulations.

Cleaning: Clean the soiled elements with steam water, with aeration of the place.

14. TRANSPORT INFORMATION

Not classified as dangerous product according with the current norms of regulation of transports of chemical product.

15. REGULATORY INFORMATION

Hazards Symbols: Xi Irritant.

Risk Phrases: R43 May cause skin sensitization.

Safety Phrases: S24/25 Avoid contact with skin and eyes. S37 Wear suitable gloves.

16. ADDITIONAL INFORMATION

Information above is believed to be accurate and represents the best information to us currently available, until the present date.

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