

MATERIAL SAFETY DATA SHEET (MSDS)



PETITGRAIN OIL

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name:	Petitgrain Paraguay
Brand:	Alpacasa
Identification of Company:	Alpaca S.A.
Manufacture:	Alpaca S.A..
Address:	Gumersindo Sosa 760 c/ General Diaz Leon
Tel / Fax:	595 21 510 960
E-mail:	info@alpacasa.com
Country:	Paraguay
Technical Services:	Alpaca S.A. 595 981 801 926

SECCION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Essential oils main compounds:	Linalyl acetate (35,00 to 56,00%)
Linalool:	(19,00 to 27.50,00%)
CAS N°:	72968-50-4
EINECS:	277-143-2

SECTION 3 - HAZARDS IDENTIFICATION

Classification according to the Directive 67/548/EEC

Risk Phrases: R38: Irritating to skin/ Irrita la piel R43: May cause sensitisation by skincontact./Posibilidad de sensibilización en contacto con la piel.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment/ Tóxico para los organismos acuáticos, puede provocar a largo plazo efectos negativos en el medio ambiente acuático.

Hazard Symbols: Xi: Irritant/Irritante N: Dangerous for the environment/ peligroso para el ambiente

Classification according to the Regulation EC No 1272/2008: Skin corrosion/irritation, Hazard Category 2;

Sensitisation - Skin, Hazard Category 1;

Hazardous to the aquatic environment - long-term hazard, category chronic 2.

Hazardous components: Linalool (Xi, R38) Geraniol (Xi, R38, R41, R43) D-Limonene (N, Xi, R10, R38, R43, R50/53) Citral (Geraniol+Neral) (Xi, R38, R43)

Label Elements: 277-143-2 Orange, Acid, Oil

Signal word: Warning

Hazard Statements: H315: Causes skin irritation./ Provoca irritación Cutánea,

H317: May cause an allergic skin reaction/Puede provocar una reacción alérgica en la piel

H411: Toxic to aquatic life with long lasting effects/Tóxico para los organismos acuáticos, con efectos nocivos duraderos.

Precautionary Statements: P273: Avoid release to the environment./ Evitar su

liberación al medio ambiente P280: Wear protective gloves/ Llevar guantes de protección

P302+P352: IF ON SKIN: Wash with plenty of soap and water/ EN CASO DE CONTACTO CON

LA PIEL lavar con agua y jabón abundante. P333+P313: If skin irritation or rash occurs: Get

medical advice/attention/ En caso de irritación o erupción cutánea: Consultar con un médico

P362: Take off contaminated clothing and wash before reuse/ Quitarse las prendas contamina-

das y lavarlas antes de volver a usarlas P391: Collect spillage/ Recoger el vertido

MATERIAL SAFETY DATA SHEET (MSDS)



PETITGRAIN OIL

SECTION 4 - FIRST AID MEASURES

Oral Exposure: If swallowed, wash mouth with water, may cause stomach distress, nausea or vomiting, see physician if symptoms persist.

Inhalation Exposure: If symptoms develop move victim to fresh air.

Dermal Exposure: Wash off with soap and water, take of spoiled cloths.

Eye Exposure: Wash with water for 15 minutes, remove contact lenses. If symptoms persist consult with physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point:	74° C
Extinguishing media:	Foam or dry powder. For safety reasons do not use full water jet.
Advice for firefighters:	Heating causes a rise in pressure, risk of bursting and explosion.
Flammability	N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precaution:	Use protection equipment
Environmental precaution:	In case of spilling call the fire department, the product should not contaminate existing water canals.
Clean up methods:	Cover with sand and collect with shovel into a metal container

SECTION 7 - HANDLING AND STORAGE

Handling good ventilation: Do not eat, drink or smoke during handling
Storage keep out of reach of children; keep away from open flame; keep tightly closed.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure controls:	None required
Respiratory protection:	None required if good ventilation is maintained
Hand protection:	Use gloves for handling
Eye protection:	Protective lenses
Skin protection:	Avoid contact with skin

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color:	Pale yellow, clear liquid
Odour:	Citric, strong orange.
Autoflamability:	Not
Relative density:	0.9662 1 g/cm ³
Flash point:	74 °C
Water solubility:	Not soluble in water
Soluble in:	Alcohol
Oil solubility:	Yes
Refractive index at 20°C:	1.483-1.489

SECTION 10 - STABILITY AND REACTIVITY

Conditions to avoid:	Keep away from open flame
Materials to avoid:	Strong oxidizing agents, strong reducing agents decomposition carbon monoxide and unidentified organic compounds may be formed during combustion reactivity. It presents no significant reactivity hazards, by itself or in contact with water.

MATERIAL SAFETY DATA SHEET (MSDS)



PETITGRAIN OIL

SECTION 11 - ECOLOGICAL INFORMATION

Ecotoxicity: Not determined
 Biodegradability of surfactant agents containing the formulation: Avoid contact with ground, superficial waters and subterranean waters

SECTION 12 - DISPOSAL CONSIDERATION

Product: Contact licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations, avoid disposing into drainage systems and into environment
 Packaging: Recycle

SECTION 13 - TRANSPORT INFORMATION

Road and rail transport: ADR
 UN No: #3082
 Proper shipping name: Not subject to ADR
 Packing Group: PGIII
 Class: 9
 Sea freight:
 UN No: #3082
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Orange Acid Oil)/Sustancia nociva para el medio ambiente, líquida, n.e.p. (Contiene Naranja, acida, aceite)
 Packing Group: PGIII
 Class: 9
 Air freight:
 UN No: #3082
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Orange Acid Oil)/Sustancia nociva para el medio ambiente, líquida, n.e.p. (Contiene Naranja, acida, aceite)
 Packing Group: PGIII
 Class: 9

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Substances are either included in EINECS, ELINCS, NPL inventories or exempt.

SECTION 16 - OTHER INFORMATION

Text of risk phrases associated with ingredients listed in section 3: R38: Irritating to skin/ Irrita la piel R43: May cause sensitisation by skin contact./Posibilidad de sensibilización en contacto con la piel. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment/ Tóxico para los organismos acuáticos, puede provocar a largo plazo efectos negativos en el medio ambiente acuático.

Text of hazard statement codes in section 3: H315: Causes skin irritation./ Provoca irritación Cutánea H317: May cause an allergic skin reaction/Puede provocar una reacción alérgica en la piel H411: Toxic to aquatic life with long lasting effects/Tóxico para los organismos acuáticos, con efectos nocivos duraderos.

OTHER INFORMATION WARRANTY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions.