



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: Petitgrain Oil

PRODUCT CODE: 30411

SUPPLIER: The Soap Kitchen

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Volatile oil obtained by the steam distillation of the flowering branches, including the twigs and leaves, of an acclimatised variety of the bitter orange tree *Citrus aurantium* L. subsp. *aurantium*.

H-No: 3301.29 CAS No: 8014-17-3

Status: natural

Country of origin: Paraguay

CoE No:

FEMA: 2855

Additives: none

FDA: 182.20

IFRA: see section 16

Application: aromatherapy, skincare etc

RIFM: monograph EINECS:

RTECS:

INCI name: Citrus aurantium

FCCIV:

3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures.

4. FIRST-AID MEASURES:

INHALATION:

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT:

Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT:

Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION:

Rinse mouth out with water. Seek medical advice immediately.

OTHER:

When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA

RECOMMENDED:

Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES:

Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES:

Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:

Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS:

Keep away from drains, soils, surface & groundwaters.

CLEANING UP METHODS

Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

FOR SPILLAGES:

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:

Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS:

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION:

Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION:

Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION:

Ensure good ventilation of working area.

HAND PROTECTION:

Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION:

Use safety glasses.

WORK/HYGIENE PRACTICES:

Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR:

Pale yellow

APPEARANCE:

Clear liquid.

ODOUR:

Fresh petitgrain

FLASH POINT °C:

66

SPECIFIC GRAVITY @20°C:

0.875 - 0.892

OPTICAL ROTATION @ 20°C:

-3.5° to 0°

REFRACTIVE INDEX @ 20°C:

1.453 - 1.4650

SOLUBILITY IN 70% ETHANOL @ 20°C:

Soluble 1 + 4

TYPICAL ANALYSIS BY GC/MS:

α-PINENE 0.1%, β-PINENE 0.88%, SABINENE 0.19%, MYRCENE 1.5%, δ-3 CARENE 0.32%, LIMONENE 0.83%, P-CYMENE + 1,8 CINEOL 0.03%, CIS-OCIMENE 0.57%, TR-OCIMENE 1.67%, TERPINOLENE 0.34%, LINALOL OXIDE 0.1%, LINALOL 22.5%, TERPINEN-4-OL 0.09%, α-TERPINEOL 6%, LINALYL ACETATE 52%, NEROL 1.14%, NERAL 0.08%, GERANIOL 2.7%, GERANIAL 0.12%, GERANYL PROPIONATE 0.03%, α-TERPINYL ACETATE 0.13%, NERYL ACETATE 2.7%, β-CARYOPHYLLENE 0.74%, GERANYL ACETATE 4.75%, α-HUMULENE 0.06%, BICYCLOGERMACRENE 0.2%, NEROLIDOL 0.04%, CARYOPHYLLENE OXIDE 0.01%.

10. STABILITY & REACTIVITY.

REACTIVITY:

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

DECOMPOSITION:

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

No Data Available

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY:

Data not available

PRECAUTIONS:

Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

Road (ADR/RID):

n/a

Air (IATA):

n/a

SEA (IMDG):

n/a

CHIP:

See section 15

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS: n/a
SYMBOLS: n/a
RISK PHRASES: n/a
SAFETY PHRASES: n/a

16. OTHER INFORMATION.

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of Citral, Geraniol, Limonene and Linalool, listed as sensitisers. Check maximum usage levels for skin care products.

PACKAGING.

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months then a 3 monthly intervals up to a maximum life of 36 months.

O.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.