



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Grapefruit Essential Oil
SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V
PRODUCT NUMBER: 22
CAS NUMBER: 8016-20-4
EC NUMBER: 289-904-6
EINECS Number: 90045-43-5
INCI: Citrus paradisi peel oil
IDENTIFIED USES: Industrial, only for professional use.
BIOLOGICAL DEFINITION:

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8016-20-4

EC: 289-904-6

CLASSIFICATION (EC No.1272/2008)

PHYSICAL HAZARDS:

Flam. Liq. 3 – H226

HEALTH HAZARDS:

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Asp. Tox. 1 – H304

ENVIRONMENTAL HAZARDS:

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic reaction.

H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

P331 Do NOT induce vomiting.

P391 Collect spillage.

P262 Do not get in eyes, on skin, or on clothing.

SUPPLEMENTARY PRECAUTIONARY
STATEMENTS

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, Carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to approved disposal site, in accordance with national regulations.

CONTAINS:

(R)-p-mentha-1,8-diene
7-methyl-3-methylenoocta-1,6-diene
Alpha Pinene

3: COMPOSITION/INFORMATION ON INGREDIENTS

>90-<95% (R)-p-mentha-1,8-diene

CAS NUMBER: 5989-27-5

M FACTOR (ACUTE) = 1

CLASSIFICATION (1272/2008)

EC NUMBER: 227-813-5

M FACTOR (CHRONIC) = 1

Flam. Liq. 3 – H226

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

1-5% 7-methyl-3-methyleneocta-1,6-diene

CAS NUMBER: 123-35-3

M FACTOR (ACUTE) = 1

CLASSIFICATION (1272/2008)

EC NUMBER: 204-622-5

M FACTOR (CHRONIC) = 1

Flam. Liq. 3 – H226

Skin Irrit. 2 – H315

Eye Irrit. 2 – H319

Skin Sens. 1 – H317

Asp. Tox. 1 – H304

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

<1% Alpha Pinene

CAS NUMBER: 80-56-8

M FACTOR (ACUTE) = 1

CLASSIFICATION (1272/2008)

EC NUMBER: 201-291-9

M FACTOR (CHRONIC) = 1

Flam. Liq. 3 – H226

Acute Tox. 4 – H302

Skin Irrit. 2 – H315

Skin Sens. 1 – H317

Asp. Tox. 1 – H304

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:

Remove person to fresh air and keep comfortable for breathing. Get medical attention.

INGESTION:

Do not induce vomiting. Get medical attention. Give plenty of water to drink.

SKIN CONTACT:

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT:

Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS,

BOTH ACUTE AND DELAYED:

NOTES FOR THE DOCTOR:

INGESTION: Harmful if swallowed.

SKIN CONTACT: Irritating to skin.

Treat symptomatically.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:

Use alcohol-resistant foam, Carbon dioxide or dry powder to extinguish.

UNSUITABLE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL HAZARDS ARISING FROM THE

SUBSTANCE OR MIXTURE:

In case of fire, the following can be released: Carbon monoxide (CO), Carbon dioxide (CO₂), smoke, soot.

ADVICE FOR FIRE-FIGHTERS

Wear protective clothing. Avoid inhalation of vapours. Keep containers cool with water spray.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Keep away from heat sources, open flames and sunlight. Avoid inhalation of vapours. Avoid contact with skin and eyes.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
CLEANING UP METHODS FOR SPILLAGES:	Soak up spillage with sand or other inert material. transfer soaked material to suitable waste container and dispose according to prevailing regulations. If spillage on water occurs, remove from the surface with suitable absorbent material. dispose according to National and international environmental regulations.
REFERENCE TO OTHER SECTIONS:	For personal protection, see Section 8.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Provide adequate ventilation. avoid contact with skin and eyes. Good personal hygiene procedures should be implemented. Keep away from heat sources, open flames and sunlight. Take precautionary measures against static discharges.
ADVICE ON GENERAL OCCUPATIONAL HYGIENE	Good personal hygiene procedures should be implemented.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Keep away from oxidising materials, heat and flames.
STORAGE CLASS:	Flammable liquid storage.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

(R)-p-mentha-1,8-diene CAS: 5989-27-5

DNEL	Workers – Inhalation; Long-term systemic effects: 33.3 mg/m ³ General Population – Oral; Long-term systemic effects: 4.76 mg/kg
PNEC	STP: 1.8 mg/l Soil: 0.262 mg/kg Fresh Water: 0.0054 mg/l Marine Water: 0.00054 mg/l Sediment (Fresh Water): 1.32 mg/kg Sediment (Marine Water): 0.13 mg/kg

7-methyl-3-methyleneocta-1,6-diene CAS: 123-35-3

DNEL	Workers – Dermal; Long-term systemic effects: 0.83 mg/kg Workers – Inhalation; Long-term systemic effects: 5.83 mg/m ³ General Population – Dermal; Long-term systemic effects: 0.42 mg/kg General Population – Inhalation; Long-term systemic effects: 1.25 mg/m ³
PNEC	STP: 0.2 mg/l Soil: 1.015 mg/kg Fresh Water: 0.00028 mg/l Marine Water: 0.0008 mg/l Sediment (Fresh Water): 5.022 mg/kg Sediment (Marine Water): 0.502 mg/kg

Alpha Pinene CAS: 80-56-8

DNEL

Workers – Dermal; Long-term systemic effects: 0.54 mg/kg, bw/day
Workers – Inhalation; Long-term systemic effects: 3.8 mg/m³
General Population – Dermal; Long-term systemic effects: 0.19 mg/kg, bw/day
General Population – Inhalation; Long-term systemic effects: 0.67 mg/m³
General Population – Oral; Long-term systemic effects: 0.19 mg/kg, bw/day

PNEC

Fresh Water; Short-term: 0.606 mg/l
Fresh Water; Intermittent Release: 3.03 mg/l
Marine Water; Short-term: 0.061 mg/l
Marine Water; Intermittent Release: 0.303 mg/l
STP; Short-term: 0.2 mg/l
Sediment (Fresh Water); Short-term: 157 mg/kg
Sediment (Marine Water); Short-term: 15.7 mg/kg
Soil; Short-term: 31.7 mg/kg

PROTECTIVE EQUIPMENT:**APPROPRIATE ENGINEERING CONTROLS:**

Provide eyewash station.

EYE/FACE PROTECTION:

Approved safety goggles

HAND PROTECTION:

Chemical resistant gloves (PVC).

OTHER SKIN AND BODY PROTECTION:

Slip proof shoes may be worn in event of spillage.

Wear apron or protective clothing in case of contact.

HYGIENE MEASURES:

Good personal hygiene procedures should be implemented.

RESPIRATORY PROTECTION:

Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.

9: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:**

Liquid

COLOUR:

Yellow to orange to red

ODOUR:

Characteristic.

FLASH POINT °C:

>48

SPECIFIC GRAVITY @ 20°C:

0.8400 – 0.8600

REFRACTIVE INDEX @ 20°C:

1.465 – 1.485

10: STABILITY AND REACTIVITY

REACTIVITY	Not determined.
CHEMICAL STABILITY.	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	Not determined.
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS.	Oxidising agents, acids, bases.
HAZARDOUS DECOMPOSITION PRODUCTS	Not determined

11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:	No data available.
---------------------------------------	--------------------

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	Not data available.
BIOACCUMULATIVE POTENTIAL:	Not information available.
MOBILITY IN SOIL:	Not available.
RESULTS OF PBT AND VPVB ASSESSMENT:	Not available.
PRECAUTIONS:	Not available.

13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:	Recycling is preferred to disposal or burning. Disposal must be made according to official regulations. Must not be disposed together with household waste.
--------------------------	---

14: TRANSPORT INFORMATION

UN No ADR, RID, IMDG, ICAO, ADN. :	UN1169
PROPER SHIPPING NAME ADR, RID, IMDG, ICAO, ADN :	EXTRACTS,AROMATIC, LIQUID
TRANSPORT HAZARD CLASS(es) ADR, RID, IMDG, ICAO, ADN :	3
ADR/RID CLASSIFICATION CODE:	F1
TRANSPORT LABELS:	



PACKING GROUP ADR, RID, IMDG, ICAO, AND:	III
--	-----

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE/MARINE POLLUTANT:

Environmentally hazardous substance/marine pollutant.



SPECIAL PRECAUTIONS FOR USER

EMS: F – E, S – D
ADR TRANSPORT CATEGORY: 3
EMERGENCY ACTION CODE: 3Y
HAZARD IDENTIFICATION NUMBER (ADR/RID): 30
TUNNEL RESTRICTION CODE: (D/E)
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: Not applicable.

15: REGULATORY INFORMATION

EU LEGISLATION: Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
GUIDANCE: CHIP for everyone HSG228
CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out for this product.

16: OTHER INFORMATION

HAZARD STATEMENTS IN FULL: H226 Flammable Liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

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.