



The Soap Kitchen (2011) Ltd  
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# MATERIAL SAFETY DATA SHEET

## 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Grapefruit Oil White WHC351			
Biological Definition		Citrus Paradisi Peel Oil is the volatile oil expressed from the peel of the Grapefruit, Citrus paradisi, Rutaceae.			
INCI Name		Citrus Paradisi Peel Oil			
Synonyms & Trade Names		-			
CAS-No	8016-20-4	EC No.	N/A	EINECS No.	N/A
1.2 Relative identified uses of the substance or mixture and uses advised against					
Relevant uses: Perfumery, cosmetics, food and flavouring agent in alcohol.					
1.3 Details of the supplier of the safety data sheet					
The Soap Kitchen Unit 8 Caddsdwn Industrial Park Clovelly Road Bideford North Devon EX39 3DX					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

## 02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	
The Full Text for all Hazard Statements displayed in Section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards: <ul style="list-style-type: none"><li>- Flammable Liquid, Hazard Category 3 - H226</li></ul> Human health: <ul style="list-style-type: none"><li>- Aspiration Hazard Category 1 - H304</li><li>- Skin Corrosion / Irritation Category 2 - H315</li><li>- Sensitization - Skin Category 1 - H317</li></ul> Environment: <ul style="list-style-type: none"><li>- Hazardous to the Aquatic Environment - Aquatic Chronic Category 1 - H410</li></ul>	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	

# MATERIAL SAFETY DATA SHEET



Signal Word	Danger.
Contains	<ul style="list-style-type: none"> <li>- Limonene</li> <li>- Myrcene</li> </ul>
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 skin reaction. H410 - Very toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P210 - Keep away from heat, sparks, open flames and hot surfaces. - No smoking. P241 - Use explosion-proof electrical/ventilating/lighting/equipment P262 - Do not get in eyes, on skin, or on clothing. P273 - Avoid release to the environment. P280 - Wear protective gloves/eye protection/face protection. P301/310 - IF SWALLOWED - Immediately call a POISON CENTER or doctor/physician. P303/361/353 - IF ON SKIN (or hair) - Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P305/351/338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P331 - Do not induce vomiting. P391 - Collect spillage. P501 - Dispose of contents/container in accordance with applicable regulations.	
Supplementary Precautionary Statements	
None.	
<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>	
<b>&lt; 99.0% Limonene</b> CAS: 5989-27-5 Classification (EC 1272/2008) <ul style="list-style-type: none"> <li>- Flam. Liq. 3 - H226</li> <li>- Asp. Tox. 1 - H304</li> <li>- Skin Irrit. 2 - H315</li> </ul>	

# MATERIAL SAFETY DATA SHEET

<ul style="list-style-type: none"> <li>- Skin Sens. 1 - H317</li> <li>- Aquatic Acute 1 - H400</li> <li>- Aquatic Chronic 1 - H410</li> </ul>
<p><b>≤ 3.0% Myrcene</b>  CAS: 123-35-3  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Flam. Liq. 3 - H226</li> <li>- Asp. Tox. 1 - H304</li> <li>- Skin Irrit. 2 - H315</li> <li>- Eye Irrit. 2 - H319</li> </ul>
<p><b>≤ 1.0% Linalool</b>  CAS: 78-70-6  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Skin Irrit. 2 - H315</li> <li>- Skin Sens. 1B - H317</li> <li>- Eye Irrit. 2 - H319</li> </ul>
<p><b>≤ 1.0% Citral</b>  CAS: 5392-40-5  Classification (EC 1272/2008)</p> <ul style="list-style-type: none"> <li>- Skin Irrit. 2 - H315</li> <li>- Skin Sens. 1B - H317</li> </ul>

## 04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove from exposure area to fresh air. Obtain medical advice if irritation persists.
Ingestion	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
Skin Contact	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Eye Contact	Flush with plenty of water and seek medical advice.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

## 05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Flammable.

# MATERIAL SAFETY DATA SHEET

Suitable extinguishing media:

- CO<sub>2</sub>, and other extinguishing gases suitable for small fires.

## 5.2 Special hazards arising from the product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

## 5.3 Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus. Wear appropriate protective clothing at all times. Keep packages near the fire cool, to prevent pressurised containers from bursting. Prevent the effluent of fire-fighting measures from entering drains or waterways.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non-first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations (see section 13).

### 6.3 Methods and material for containment and cleaning up.

Remove ignition sources. Ensure adequate ventilation. Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Clean preferably with a detergent, do not use solvents.

### 6.4 Reference to other sections

No additional data available.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the substance is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. Always wash hands after handling.

Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention:

# MATERIAL SAFETY DATA SHEET

Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel.

## Recommended equipment and procedures:

For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

## Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the substance is used. Never open the packages under pressure.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage

Keep the container tightly closed in a dry, well-ventilated place. Keep away from food and drink, including those for animals. Keep away from all sources of ignition - do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges.

### Packaging

Always keep in packaging made of an identical material to the original.

## 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No additional data available.

### 8.2 Exposure controls

#### Protective Equipment



#### Process Conditions

Provide eyewash station.

#### Engineering Measures

Provide adequate ventilation.

#### Respiratory Equipment

Not necessary in adequate ventilation of working area. Avoid inhalation of vapours.

#### Hand Protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties:

- Impervious gloves in accordance with standard EN374

#### Eye Protection

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes

# MATERIAL SAFETY DATA SHEET

	Before handling, wear safety goggles in accordance with standard EN166.
Other Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re using. Ensure that there is adequate ventilation, especially in confined areas.
Skin Protection	Wear protective clothing to avoid all skin contact.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid, colourless to dark yellow
Colour	Colourless to dark yellow
Odour	Characteristic; citrus, grapefruit.
Relative Density	Approx. 0.847 @ 20°C
Flash Point (°C)	43.0
Refractive Index	Approx. 1.470 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	Approx. 170.0 ± 10.0 @ 1029 hPa
Vapour Pressure	186.4 Pa @25°C
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	
Stable under normal temperature conditions and recommended use.	
10.2 Chemical stability	
Stable under normal temperature conditions and recommended use.	
10.3 Possible hazardous reactions	

# MATERIAL SAFETY DATA SHEET

No additional data available.

## 10.4 Conditions to Avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises. Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

## 10.5 Incompatible materials

No additional data available.

## 10.6 Hazardous Decomposition Products

The thermal decomposition may release/form: - carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	May cause an allergic skin reaction
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

### 12.2 Persistence & degradability

Product is considered biodegradable and does not fulfil the criteria for persistence.

### 12.3 Bioaccumulation Potential

As the constituents are readily biodegradable, it is likely that they will be bio transformed in higher organisms so a high bioaccumulation factor is not expected.

### 12.4 Mobility in soil

No additional data available.

# MATERIAL SAFETY DATA SHEET

## 12.5 Results of PBT and vPvB Assessment

Not classified as PBT or vPvB

## 12.6 Other adverse effects

Do not discharge into the environment especially not into waterways, sewers and the sea.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways.

#### Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

UN No. Road UN 1169

UN No. SEA UN 1169

UN No. AIR UN 1169

### 14.2 UN proper shipping name

Extracts, Aromatic, Liquid.

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 Flammable Liquid.

IMDG Class: 3 Flammable Liquid.

ICAO Class/Division: 3 Flammable Liquid.

Transport Labels



### 14.4 Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.



# MATERIAL SAFETY DATA SHEET



## 14.6 Special precautions for user

This product is flammable and dangerous for the environment.  
Tunnel restriction code D/E

## 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available.

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

#### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical safety assessment

No additional information available.

## 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.
Revision Date	09/03/2020
Rev No	4

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.