

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: MANDARIN OIL  
CAS number: 708008-31-9  
EC No: 284-521-0  
EINECSno: 84929-38-4  
IFRA: restricted  
RIFM monograph  
Chemical Name: Definition: obtained by expression of the peels of mandarin oranges, citrus nobilis  
Additives: none  
Country of origin: Italy or Brazil  
INCI: Citrus Nobilis (Mandarin Orange) Peel Oil  
FCCIV: official (expressed)  
Company name: Just a Soap  
Company address: 10 Bunting Road  
Bury St Edmunds  
IP32 7BX  
Telephone number: 01284 848730 Office hours are 9-4 weekdays only.

### 2. HAZARDS IDENTIFICATION

Classification (1999/45) Xn; harmful, N dangerous for the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS number: 708008-31-9  
EC No: 284-521-0  
EINECSno: 84929-38-4  
IFRA: restricted  
RIFM monograph  
Chemical Name: Definition: obtained by expression of the peels of mandarin oranges, citrus nobilis  
Additives: none  
Country of origin: Italy or Brazil  
INCI: Citrus Nobilis (Mandarin Orange) Peel Oil  
FCCIV: official (expressed)

### 4. FIRST AID MEASURE

#### GENERAL INFORMATION

Remove affected person from source of contamination. Perform artificial respiration if breathing has stopped.

#### NOTES TO PHYSICIAN

No specific first aid measures noted.

#### INHALATION

Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Get medical attention if discomfort continues.

#### INGESTION

Rinse mouth out with water. Seek IMMEDIATE medical advice.

#### SKIN CONTACT

If necessary remove contaminated clothing and wash skin with soap and water. Get medical attention if discomfort continues.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

## 5. FIRE FIGHTING EXTINGUISHING MEASURES

### EXTINGUISHING MEDIA

Fire can be extinguished using foam, carbon dioxide or dry powder.

### SPECIAL FIRE FIGHTING PROCEDURES.

Containers close to fire should be removed or cooled with water.

### UNUSUAL FIRE AND EXPLOSION HAZARDS.

No unusual fire or explosion hazards noted.

### SPECIFIC HAZARDS

When heated and in case of fire, toxic vapours/gases may be formed.

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.

### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

### SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.

## 7. HANDLING & STORAGE MEASURES

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, spark and open flame. Protect from freezing and direct sun light.

### STORAGE CLASS

Unspecified storage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### ENGINEERING MEASURES

Provide adequate ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made.

### HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

## EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

## OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable.

## SKIN PROTECTION

Wear apron or appropriate clothing in case of splashes.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	mobile liquid
Colour	reddish - orange
Odour	Characteristic of the peel of the fruit
Flash point (°C)	48
Specific gravity	0.840-0.854 @ 20 °C
Refractive index	1.468-1.478 @ 20 °C

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Strong oxidising substances. Strong acids. Strong alkalis.

### HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases (CO, CO<sub>2</sub>, Nox) may be formed.

## 11. TOXICOLOGICAL INFORMATION

LD 50 oral rat >5g/kg. See FCT 1992 (30 suppl) p69.

## 12. ECOLOGICAL INFORMATION

Biodegradability: data not available.

Precautions: prevent surface contamination of soil, ground and surface water.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Do not dispose down the drain.

## 14. TRANSPORT INFORMATION



UN 1169	applies
Road (ADR/RID):	class 3 Packing group 111
Air (IATA/ICAO)	class 3 Packing group 111

## 15. REGULATORY INFORMATION

### EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation 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, 93/105/EC and 2000/21/EC, including amendments.

### STATUTORY INSTRUMENTS

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

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Workplace exposure Limits EH40.

Hazards: Harmful, dangerous for the environment.

Symbols: Xn; N

Risk phrases: R10 flammable liquid

R38, irritating to the skin

R43, may cause sensitisation by skin contact.

R50/53, very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R65, harmful, may cause lung damage if swallowed.

Safety Phrases: S24 avoid contact with the skin.

S37, wear suitable gloves.

S61, avoid release to the environment.

S62, if swallowed do not induce vomiting; seek medical help immediately.

## 16. OTHER INFORMATION

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

IFRA recommend that for applications on areas of skin exposed to sunshine, excluding bath preparations, soaps and other products that are washed off the skin, the total level of bergapten (5-methoxypsoralen) in the consumer products should not exceed 0.0015% (15ppm). This is equivalent to 0.0075% (75ppm) in a fragrance compound used at 20% in the consumer product. The typical level of bergapten in Mandarin Oil, Cold pressed is 250ppm.

### GENERAL INFORMATION

Shelf life 24 months.

### RISK PHRASES IN FULL

R10 Flammable

R22 Harmful if swallowed

R38 Irritating to skin



- R40 Limited evidence of carcinogenic effect.
- R43 May cause sensitisation by skin contact
- R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
- R65 Harmful, may cause lung damage if swallowed.
- R68 Possible risk of irreversible effects.

#### HAZARD STATEMENTS IN FULL

- H266 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

#### **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.