

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Orange Oil sweet**

SUPPLIER: Norfolk Trading 1 Rigby's Court Norwich NR2 1NT UK

Telephone +44 (0)1603 610883

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: The volatile oil obtained by expression from the ripe peel of the fruit *Citrus sinensis* (L.) Osbeck (Fam. *Rutaceae*).

H-No: 3301.12 CAS No: 8028-48-6 Status: Natural

CoE No: 143 FEMA: 2824 Additives: None

FDA: 182.20 IFRA: Application: Fragrance Ingredient, Skincare, Body & Hand Preparations (excluding Shaving Preparations), Moisturising Preparations, Lipsticks, Skin Fresheners

RIFM: EINECS: 2324338 Cas (TSCA): 8008-57-9

INCI name: Citrus Sinensis (also known as Citrus aurantium dulcis)

3. HAZARDS IDENTIFICATION:

R10: Flammable liquid.

Xn: Harmful

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.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, do not eat, drink or smoke whilst handling. Avoid static discharges.
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.
SKIN 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:	Yellow-red through to orange-brown liquid.
APPEARANCE:	Mobile liquid
ODOUR:	Citrus, reminding of orange peel
FLASH-POINT °C:	46-50
SPECIFIC GRAVITY AT 20°C:	0.8350 to 0.8550
REFRACTIVE INDEX @ 20°C:	1.4600 to 1.4850
ALDEHYDES AS CITRAL:	0.7% to 1.7% Typical

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.

LD₅₀ Orl-rat: >5g / Kg *Food and Cosmetic Toxicol* (1974) **I2** (3), 733.
 LD₅₀ Orl-rabbit >5g/Kg *Food and Cosmetic Toxicol* (1974) **I2**(3), 733.

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.

UN 1993: applies
Road (ADR/RID): Class 3 item 31c
Air (IATA): Class 3 packing Gp III
SEA (IMDG): Class 3.3
CHIP: See section 15

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

HAZARDS: Harmful
SYMBOLS: Xn
RISK PHRASES: R10 Flammable liquid
R65 Harmful: may cause lung damage if swallowed
SAFETY PHRASES: S62 If swallowed, do not induce vomiting: seek medical advice immediately

16. OTHER INFORMATION.

UN 1169: Applies

PACKAGING.

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

SHELF-LIFE.

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

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

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