

Orange (sweet) SAFETY DATA SHEET

**1. Identification of the substance/preparation and of the company/undertaking**

*Identification of the product*

Product name: **Orange (sweet) (*Citrus aurantium*)**

*Manufacturer/supplier identification*

Company: Calmer Solutions Limited  
Hadresham  
Woolborough Lane  
Outwood  
Surrey  
RH1 5QR.  
Telephone: +44 (0)1342 844658  
Telefax: +44 (0)1737 306065

Emergency Telephone No: Please contact your local NHS Direct

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**2. Composition/information on main ingredients**

Main ingredients: Essential oil of Orange

CAS No USA: 8028-48-6

EC Number: 284-515-8

EINECS No: 8028-48-6

FEMA No:

CoE No:

TSCA: 8008-57-9

Percentage of Hydrocarbon: 97

Concentration: 100%

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### 3. Hazards identification



Main hazards:	Flammable
Health effect - eyes:	May be irritating to eyes
Health effect - skin:	May be irritating to skin
Health effect - ingestion:	Harmful: may cause lung damage if swallowed
Health effect – inhalation	May be irritating if inhaled

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### 4. First aid measures

**First aid - eyes:**

least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

**First aid - skin:**

medical attention.

**First aid - ingestion:**

unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight

**First aid - inhalation:**

medical attention.

**Advice to physicians** - Treat symptomatically

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### 5. Fire fighting measures

**Suitable extinguishing media:** Use carbon dioxide, foam or dry powder

**Unsuitable extinguishing media:**

**Special hazards of product:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**Protective equipment for fire fighting:** If fire severe wear self contained breathing apparatus

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## **6. Accidental release measures:**

**Personal protection:**

Wear appropriate protective clothing

**Environmental precautions:**

Remove all sources of ignition. Ensure proper ventilation. Contain spill and recover free product. Report spills to appropriate authorities if required.

**Spillage:**

Soak up spillage with sand or other proprietary material. Transfer used material to a suitable waste container and dispose in accordance with local and national regulations.

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## **7. Handling and storage**

**Handling:**

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

**Storage:**

Store in full sealed containers protected from heat and sources of ignition.

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## **8. Exposure controls/personal protection**

Maintain adequate ventilation

**Respirator:** None generally required

**Hand protection:** PVC or rubber gloves

**Body protection:** Wear overalls. Always wash routinely before breaks, meals and at the end of the work period

**Eye Protection:** Use goggles or face shield

**Engineering control measures:**

Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

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## 9. Physical and chemical properties

Form: Liquid  
Colour: Pale Yellow  
Odour: Characteristic of Orange

Boiling temperature: No Data  
Density (kg/m<sup>3</sup>): 0.8380 - 0.8500  
Optical Rotation:  
Vapour pressure: Not applicable  
- Density: Not applicable  
Solubility in water: Insoluble

Flash point: 48°C  
Explosion limits: lower: Not known  
upper: Not known  
Ignition temperature: Not known

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## 10. Stability and reactivity

**Stability:** Stable under normal conditions

**Incompatibility:** Strong oxidising agents

**Hazardous Combustion & Decomposition:** Carbon monoxide and unidentified organic compounds may be formed during combustion. This product presents no significant reactivity hazard. It is stable and will not react violently with water. Hazardous polymerisation will not occur.

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## 11. Toxicological information

Acute toxicity: LD50 oral (rat) 4400 mg/kg (Merck)

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## 12. Ecological information

Mobility:

Bioaccumulation: No Data

Exoticity: No Data

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### **13. Disposal considerations**

Product disposal: Dispose of in accordance with all applicable local and national regulations.

Container disposal: Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used (re-cycled) or disposed of by landfill or incineration as appropriate.

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### **14. Transport information**

Description: Flammable liquids n.o.s.

UN-No.: 1193      RID: 31c

Class: 3.3      Packing Group: III

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### **15. Regulatory information**

*Labelling according to EC directives*

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R-phrases: R10 Flammable  
(Risk) R65 Harmful: may cause lung damage if swallowed

S-phrases: S62 If swallowed, do not induce vomiting: seek medical advice  
(Safety) immediately and show this container or label

Einecs Listing: All components are either Einecs listed or classified as polymers

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## 16. *Other information*

The information and recommendations contained in this data sheet are believed to be accurate and represent the best information currently available to us. No warranty, guarantee or representation is made by Calmer Solutions Limited as to the correctness or sufficiency of the information and recommendations in this data sheet, nor can it be assumed that all possible safety measures are contained in this data sheet or that additional measures may not be required under varying conditions and circumstances.

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**Please ensure that this Safety Data Sheet is passed to the appropriate person(s) in your company, who is (are) capable of acting on the information.**

