

Mandarin SAFETY DATA SHEET

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

Identification of the product

Product name: **Mandarin (*Citrus reticulata*)**

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

2. Composition/information on main ingredients

Main ingredients: Essential oil of Mandarin

CAS No USA: 8008-31-9

EC Number:

EINECS No: 284-521-0

FEMA No: 2622

CoE No:

TSCA:

Percentage of Hydrocarbon:

Concentration: 100%

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:	May cause lung damage if swallowed
Health effect – inhalation	May cause irritation to the lungs

4. First aid measures

First aid - eyes:

Remove any contact lenses. Flush immediately with clean water for at least 15 minutes. OBTAIN MEDICAL ATTENTION.

First aid - skin:

Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water for at least 15 minutes. OBTAIN MEDICAL ATTENTION.

First aid - ingestion:

Wash out mouth with water and give water to dilute provided person is conscious. OBTAIN MEDICAL ATTENTION.

First aid - inhalation:

Remove from exposure. Provide fresh air. If breathing has stopped administer artificial respiration and oxygen if available. OBTAIN MEDICAL ATTENTION.

Advice to physicians - Treat symptomatically

5. Fire fighting measures

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

Unsuitable extinguishing media: Do not use water jet.

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.

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.

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.

8. Exposure controls/personal protection

Maintain adequate ventilation

Respirator: Not normally required

Hand protection: PVC or rubber gloves

Body protection: If danger of splashing wear PVC or rubber apron

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.

9. Physical and chemical properties

Form: Liquid
Colour: Pale amber/Red
Odour: Charecteristic

Boiling temperature: No Data
Density (kg/m³):
Optical Rotation:
Vapour pressure: Not Applicable
- Density: Not Applicable
Solubility in water: Insoluble

Flash point: 51°C
Explosion limits: lower: Unknown
upper: Unknown
Ignition temperature: Unknown

10. Stability and reactivity

Stability: Stable

Incompatibility: Avoid contact or contamination with strong acids, alkalis or 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.

11. Toxicological information

Acute toxicity: No Data

12. Ecological information

Mobility: No Data

Bioaccumulation: No Data

Exotoxicity: No Data

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.

14. Transport information

Description: Flammable liquids n.o.s.

UN-No.: 1193

RID:

Class: 3.3

Packing Group: III

15. Regulatory information

Labelling according to EC directives

Material Safety Data Sheet Calmer Solutions Limited

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>



Material Safety Data Sheet Calmer Solutions Limited



R-phrases: R10 Flammable
(Risk) R38 Irritating to 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

S-phrases: S24 Avoid contact with skin
(Safety) S37 Wear suitable gloves
S61 Avoid release to the environment. Refer to special
instructions/safety data sheet
S62 If swallowed, do not induce vomiting: seek medical advice
immediately and show this container or label

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



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.

Revision No.: 1
Revision Date: Monday, 16 March 2009
Date of Print: Friday, 20 March 2009

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.

