

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

### *Identification of the product*

Product name: **Grapefruit (*Citrus paradisi*)**

### *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 111

---

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

Main ingredients: Essential oil of Grapefruit

CAS No USA: 88016-43-5

EC Number: 289-904-6

EINECS No: 90045-43-6

Percentage of Hydrocarbon: 95

Concentration: 100%

---

### 3. Hazards identification



<b>Main hazards:</b>	Flammable
<b>Health effect - eyes:</b>	Irritating to eyes
<b>Health effect - skin:</b>	Irritating to skin, prolonged dose may cause dermatitis
<b>Health effect - ingestion:</b>	May cause lung damage if swallowed
<b>Health effect – inhalation:</b>	May cause irritation to the lungs

---

### 4. First aid measures

<b>First aid - eyes:</b>	Immediately flood the eye with plenty of water for at least 15 minutes holding eye open. OBTAIN MEDICAL ATTENTION.
<b>First aid - ingestion:</b>	Wash out mouth with water and give water to dilute provided person is conscious. OBTAIN MEDICAL ATTENTION.
<b>First aid - inhalation:</b>	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.

**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:** Contain spillage using earth, sand or other inert absorbent material.

---

## **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:** 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.

---

## 9. **Physical and chemical properties**

**Form:** Liquid  
**Colour:** Pale yellow  
**Odour:** Characteristic of Grapefruit

**Boiling temperature:** No data

**Density (kg/m<sup>3</sup>):** 0.848 - 0.856

**Optical Rotation:**

**Vapour pressure:** Not applicable

**- Density:** Not applicable

**Solubility in water:** Insoluble

**Flash point:** 44°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

**Exoticity:** 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.:** 1993                      **RID**                      :                      31c

**Class:** 3.3                      **Packing Group:** III

---

### 15. Regulatory information

**Labelling according to EC directives**



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

**S-phrases: (Safety)**      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<sup>®</sup> 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.:* 2  
*Revision Date:* Tuesday, 19 August 2014  
*Date of Print:* Wednesday, 17 September 2014

**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.**