

The Soap Kitchen, Unit 2 D&E

For Evaluation Only.

Torrington, Devon. EX38 7HP

Tel: 01805 622944 Email: info@thesoapkitchen.co.uk

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Menthol Crystals**

PRODUCT CODE: **CU00001374**

SUPPLIER: The Soap Kitchen, Unit 2D&E, Hatchmoor Industrial Estate  
Torrington, Devon. EX38 7HP

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS.

CHEMICAL IDENTIFICATION: Menthol is the diterpene of empirical formula C<sub>10</sub>H<sub>20</sub>O

CHEMICAL NAME: 2- Isopropyl-5-menthyl-cyclohexanol

H-No: 29.06.11

CAS No: 89-78-1

Status: natural

CoE No: 63

FEMA: 2665

Additives: none

FDA: § 172.515

IFRA: Not restricted

Application:

RIFM: monograph

EINECS: 201-939-0

RTECS: 0T0700000

INCI name: Menthol

FCCIV: Official

### 3. HAZARDS IDENTIFICATION:

Xi irritant

### 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 minutes. 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 CO<sub>2</sub>, Dry Powder or Foam 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.

Menthol Crystals

Revised 12/09 This document replaces any previously issued document

## **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 & ground waters.
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, and do not eat, drink or smoke whilst handling.
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.
HAND 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/APPEARANCE:	Colourless crystals
ODOUR:	Refreshing, typical menthol odour, with pronounced cooling effect
FLASH POINT °C:	93
MELTING POINT °C:	41-44°C
SPECIFIC OPTICAL ROTATION:	-49 to -50°
ACIDITY OR ALKALINITY:	0.5 ml max
RESIDUE ON EVAPORATION:	0.05 % max

## **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 (mg/kg): 2900 mg/kg, Dermal rabbit >5000 mg/kg (Literature values). Relatively non-toxic, non-sensitising, but a possible mild irritant: See D.J. Opdyke (1976) FCT 14, 473. Not listed as carcinogen.

## **12. ECOLOGICAL INFORMATION.**

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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.**

Road (ADR/RID): n/a  
AIR (IATA): n/a  
SEA (IMDG): n/a  
CHIP: See section 15

### **15. REGULATORY INFORMATION.**

HAZARDS: Irritant  
SYMBOLS: Xi  
RISK PHRASES: R37/38 Irritating to respiratory system & skin  
R41 Risk of serious damage to eyes  
SAFETY PHRASES: S24 Avoid contact with skin  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36 Wear suitable protective clothing

### **16. OTHER INFORMATION.**

Cosmetics Directive 7<sup>th</sup> Amendment: Not restricted

### **PACKAGING:**

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

### **SHELF LIFE**

When stored within advised conditions, re-test after 12 months then at 6 monthly intervals up to a maximum life of 36 months.

### **Q.C. REQUIREMENTS.**

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.