

# MATERIAL SAFETY DATA SHEET

## 1 - Identification of Product and Supplier

Product Name: **Melt and Pour, Liquid Crystal Concentrate**  
Supplier: **Gracefruit Limited, 146 Glasgow Road, Longcroft, Stirlingshire, FK4 1QQ**  
Emergency Contact: 01324 841353

## 2 - Composition and information on ingredients:

Inci Name: **See separately supplied INCI list**  
Chemical composition: A 50% active, concentrated blend of surfactants that can be used for the formulation of shampoos, shower gels, bubble baths or liquid hand washes.  
STATUS: Artificial  
Application: Cosmetic  
IFRA: Not Restricted

**Classification under CHIP:** Xi: R36/38  
Most important adverse effects: Irritating to eyes and skin.

**Hazard symbols:** Irritant.

## 3 - Hazards identification:

	EINECS	CAS	CHIP Classification	CLP Classification	Percent
COCAMINE OXIDE	263-016-9	61788-90-7	Xi: R38; Xi: R41	-	1-10%
SODIUM ALKYL ETHER SULPHATE	221-416-0	3088-31-1	Xi: R36/38	-	30-50%
COCAMIDOPROPYL BETANE	263-058-8	61789-40-0	Xi: R36	-	1-10%

## 4 - First aid measures:

Inhalation: Remove from exposure site to fresh air; seek medical attention if symptoms persist.  
Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist. There may be irritation and redness.  
Skin contact: Remove contaminated clothes. Rinse thoroughly with plenty of water. Seek medical attention if symptoms persist. There may be irritation and redness.  
Ingestion: Rinse mouth out with water. Seek medical advice. There may be soreness and redness of the mouth and throat.  
Other: When assessing

## 5 - Fire - Fighting measures:

Extinguishing media 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: None required in normal use conditions.  
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 & ground waters.

Cleaning up methods Remove all potential ignition sources. Contain spilled material. Allow to cool if liquid until solidification occurs. Scrape from surfaces with blunt blade and sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations. Residues may be removed with water to final clean up.

## 7 - Handling and 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: Not Flammable

## 8 - Exposure controls and 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 data and chemical properties:

Colour: Colourless

Appearance: Liquid.

Flash point °c: >100

Specific gravity @ 20°C: Not applicable

Refractive index @ 20°C: Not applicable

Solubility: Miscible.

Viscosity: Viscous

Kinematic visc. 40°C (mm<sup>2</sup>/s): ~ 3500 cps

## 10 - Stability and Reactivity:

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong alkali, acid or oxidising agents.

Decomposition: Liable to cause smoke and acrid fumes during combustion; carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

Materials to avoid Strong oxidising agents, strong acids

## 11 - Toxicological information:

Relevant effects for mixture

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

## 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 information:

Road (ADR/RID): N/A  
Air (IATA): N/A  
Sea (IMDG): N/A  
CHIP: See section 2

## 15 - Regulatory information:

Hazards: N/A  
Symbols: N/A  
Risk Phrases: N/A  
Safety Phrases: N/A

## 16 - Other information:

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

### **Nature of Revision - Reach Regulations**

Phrases: R36/38: Irritating to eyes and skin.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes.

### **PACKAGING:**

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

### **SHELF LIFE**

When stored within advised conditions, re-test after 12 months then every 3 months up to a maximum shelf 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 it's' 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.

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