

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** LIQUID CRYSTAL CONCENTRATE

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** PC39: Cosmetics, personal care products.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Stephenson Personal Care

Brookfoot House

Low Lane

Horsforth

Leeds

LS18 5PU

UK

**Tel:** +44(0)113 2050900

**Fax:** +44(0)113 2050901

**Email:** spc@stephensongroup.co.uk

**1.4. Emergency telephone number**

**Emergency tel:** 24hr Transport Emerg. Info +44 (0) 1865 407333

Non- UK emergency number: +44 (0) 7711 534236

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** Xi: R38; Xi: R41; Sens.: R43

**Classification under CLP:** Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317

**Most important adverse effects:** Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

GHS07: Exclamation mark

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

Page: 2



**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P332+313: If skin irritation occurs: Get medical advice/attention.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor/.

**Label elements under CHIP:**

**Hazard symbols:** Irritant.



**Risk phrases:** R38: Irritating to skin.  
R41: Risk of serious damage to eyes.  
R43: May cause sensitisation by skin contact.

**Safety phrases:** S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39: Wear suitable gloves and eye / face protection.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

SODIUM ALKYL ETHER SULPHATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
221-416-0	3088-31-1	Xi: R41; Xi: R38	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412	31.500%

COCAMINE OXIDE - REACH registered number(s): 01-2119489396-21-0002

263-016-9	61788-90-7	Xi: R38; Xi: R41; N: R50; Xn: R22	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	1.520%
-----------	------------	-----------------------------------	---	--------

[cont...]

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

Page: 3

COCAMIDOPROPYL BETAINE - REACH registered number(s): 01-2119488533-30-0001

263-058-8	61789-40-0	Xi: R41	Aquatic Chronic 3: H412; Eye Dam. 1: H318	1.360%
-----------	------------	---------	---	--------

A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-O

-	-	-	-	0.060%
---	---	---	---	--------

#### Section 4: First aid measures

##### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

##### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

##### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

#### Section 5: Fire-fighting measures

##### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

##### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

##### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### Section 6: Accidental release measures

[cont...]

# SAFETY DATA SHEET

## LIQUID CRYSTAL CONCENTRATE

Page: 4

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

[cont...]

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

Page: 5

**9.1. Information on basic physical and chemical properties**

**State:** Liquid  
**Colour:** Colourless  
**Odour:** Characteristic odour  
**Solubility in water:** Miscible  
**Viscosity:** Viscous  
**Kinematic viscosity:** ~ 3500 cps  
**pH:** 6 - 8

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**SODIUM ALKYL ETHER SULPHATE**

ORL	RAT	LD50	4000	mg/kg
-----	-----	------	------	-------

**COCAMINE OXIDE**

DERMAL	RAT	LD50	>2000	mg/kg
--------	-----	------	-------	-------

[cont...]

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

Page: 6

ORL	RAT	LD50	2820	mg/kg
-----	-----	------	------	-------

**COCAMIDOPROPYL BETAINE**

DERMAL	-	calculated	> 5000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	calculated	> 5000	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**SODIUM ALKYL ETHER SULPHATE**

FISH	96H LC50	1 - 10	mg/l
------	----------	--------	------

**COCAMINE OXIDE**

ALGAE	72H ErC50	0.19	mg/l
Daphnia magna	48H EC50	2.4	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.26	mg/l

**COCAMIDOPROPYL BETAINE**

ALGAE	72H ErC50	2.4	mg/l
Daphnia magna	48H EC50	1.9	mg/l
FISH	96H LC50	1.11	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

[cont...]

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

Page: 7

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**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 used in s.2 and s.3:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R22: Harmful if swallowed.

[cont...]

**SAFETY DATA SHEET**  
LIQUID CRYSTAL CONCENTRATE

**Page: 8**

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R50: Very toxic to aquatic organisms.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.