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**MATERIAL SAFETY DATA SHEET**


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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

**Product name:** Hycolin Concentrate  
**Product code:** HYC005, HYC010  
**Brand:** Solmedia Ltd.  
**EINECS No.:** 200-663-8

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

Identified uses – Detergent. Disinfectant.

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

- Name of Supplier: Solmedia Ltd.  
 - Address of Supplier: Unit 2, Vernon Drive  
 Battlefield Enterprise Park  
 Shrewsbury  
 SY1 3TF  
 UK  
 - Telephone: 0844 80 80 900  
 - Email: labsupplies@solmedialtd.com

**1.4 Emergency telephone number**

Emergency Phone # +44 (0)844 80 80 900

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**SECTION 2: Hazards identification**

**Classification under CLP:** Regulation (EC) No. 1272/2008 [CLP]

Hazard Class	Hazard Category	Hazard Statement
Skin irritant	Category 2	H315
Eye damage	Category 1	H318
Aquatic acute toxicity	Category 1	H400
Aquatic chronic toxicity	Category 2	H411

**2.2 Label elements****Pictogram**

Signal word

Danger

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

H318 Causes serious eye damage.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary state:** P102 Keep out of reach of children.  
 P262 Do not get in eyes, on skin or on clothing.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves, eye and face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P305+P351+P338 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.  
 P391 Collect spillage.  
 P501 Dispose of contents/ container in accordance with local regulations.

**Contains** ALCOHOLS, C12-14, ETHOXYLATED, QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Biocide labelling** This product contains substances with biocidal properties., Contains active substance: Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)), 2.5g/100g, Read attached instructions before use.

**Detergent labelling** 5 - < 15% non-ionic surfactants, < 5% disinfectants, < 5% EDTA and salts thereof, < 5% perfumes, < 5% phosphates, Contains LINALOOL

**2.3 Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance. The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >0.1% published by the European Chemicals Agency (ECHA) under article 57 of the REACH regulation (as amended).

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

**3.2 Mixtures**

Hazardous ingredients Classification according to Regulation (EC) No. 1272/2008 [CLP]

		Classification (Regulation (EC) No 1272/2008 [CLP]	
Hazardous Components	Amount [%]	Hazard class/ Hazard category	Hazard Statements

Name:	Alcohols, C12 – 14, Ethoxylated	5-10%	ACUTE TOX. 4, EYE DAM. 1., AQYA CHR, 3.	H302 H318 H412
CAS NO.	68439-50-9			
EC-NO.	500-213-3			
Name:	ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))	1-5%	ACUTE TOX. 4, SKIN CORR. 1B, EYE DAM. 1, AQUA, ACUTE 1, AQUA CHR. 1	H302 H314 H318 H400 H410
CAS NO.	68424-85-1			
EC-NO.	270-325-2			
Name:	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	1-5%	ACUTE TOX. 4, EYE DAM. 1, STOT RE. 2.	H302 H332 H318 H373
CAS NO.	64-02-8			
EC-NO.	200-573-9			

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General Information:** Provide eyewash station

**Skin contact:** Rinse immediately with plenty of water. Remove contaminated clothing  
Get medical attention if irritation persists after washing.

**Eye contact:** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce Vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Inhalation:** Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues

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

**General Information:** Provide eyewash station

**Skin contact:** Prolonged contact may cause redness, irritation and dry skin.

**Eye contact:** The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage. Risk of serious damage to eyes.

**Ingestion:** No data available

**Inhalation:** No data available

**Delayed / immediate effects:** No data available

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

No specific recommendations

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Foam, carbon dioxide or dry powder.

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

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

### **5.3 Advice for firefighters**

#### **Protective actions during firefighting**

Control run-off water by containing and keeping it out of sewers and watercourses.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

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## **SECTION 6: Accidental release measures**

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

For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.

### **6.2 Environmental precautions**

Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

### **6.3 Methods and materials for containment and cleaning up**

Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers.

Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### **6.4 Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

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## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.

**Advice on general occupational hygiene** Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.

## 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

## 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

**DNEL** Workers - Inhalation; Long term systemic effects: 294 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2080 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 87mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1250 mg/kg/day  
 General population - Oral; Long term systemic effects: 25 mg/kg/day

**PNEC** - Fresh water; 0.0437 mg/l  
 - Intermittent release; 0.004 mg/l  
 - STP; 10 mg/l  
 - Sediment (Fresh water); 31 mg/kg  
 - Sediment (Marine water); 31 mg/kg  
 - Soil; 1 mg/kg

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

**DNEL** -General population - Oral; Long term systemic effects: 25 mg/kg/day  
 -General population - Inhalation; Long term local effects: 0.6 mg/m<sup>3</sup>  
 - Inhalation; Short term local effects: 1.2 mg/m<sup>3</sup>  
 - Workers - Inhalation; Long term local effects: 1.5 mg/m<sup>3</sup>  
 - Workers - Inhalation; Short term local effects: 3 mg/m<sup>3</sup>

**PNEC** - Fresh water; 2.2 mg/l  
 - Marine water; 0.22 mg/l  
 - Intermittent release; 1.2 mg/l  
 - STP; 43 mg/l

- Soil; 0.72 mg/kg

## 8.2 Exposure controls

Protective equipment



**Appropriate engineering controls** Provide adequate ventilation

**Engineering measures:** When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, gloves should comply with European Standard EN374.

**Eye protection:** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN 166(EU).

**Skin protection:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

**Environmental:** Avoid releasing into the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State:</b>	Liquid
<b>Colour:</b>	Blue
<b>Odour:</b>	Lemon
<b>pH</b>	(concentrated solution): 10.2-10.5
<b>Relative density:</b>	1.035 @ 20 °C
<b>Solubility(ies)</b>	Soluble in water.

**Explosive under the influence of a flame:** Not considered to be explosive.

**Comments** Information given is applicable to the product as supplied.

## 9.2 Other safety information

Not relevant

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

There are no known reactivity hazards associated with this product

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Not applicable

### 10.4 Conditions to avoid

Avoid exposure to high temperatures or direct sunlight

### 10.5 Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological effects

No information available.

#### Acute toxicity - oral

ATE oral (mg/kg) 14,596.18

#### Acute toxicity - dermal

ATE dermal (mg/kg) 62,400.0

**General Information:** This product has low toxicity

**Skin contact:** Skin irritation should not occur when used as recommended.  
Prolonged or repeated exposure may cause the following adverse

effects: Irritation. Redness. Dryness and/or cracking. Mild dermatitis, allergic skin rash.

**Eye contact:** Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and blurred vision. Corneal damage.

**Ingestion:** May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea

## SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

### 12.1 Toxicity

#### ALCOHOLS, C12-14, ETHOXYLATED

Aquatic toxicity (Acute)	Dose (hours/days)	Species
Fish toxicity	LC50 – 0.876 mg/L 96h	N/A
Aquatic invertebrates	EC50 – 0.39 mg/L 48h	Daphnia magna

Aquatic toxicity (Chronic)	Dose (hours/days)	Species
Fish toxicity	EC20 - 1.09 mg/L 30d	Pimephales promelas (Fat-head Minnow)
Aquatic invertebrates	NOEC – 0.77 mg/L 21d	Daphnia magna

### 12.2 Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

The product is water-soluble and may spread in water systems

### 12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6 Other adverse effects

None known.

## SECTION 13: Disposal considerations

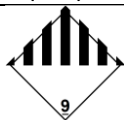
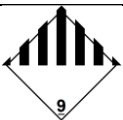
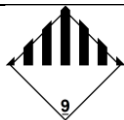
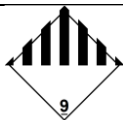
### 13.1 Waste treatment methods

**Disposal operations:** Do not discharge into drains or watercourses or onto the ground.

**Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

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

**SECTION 14: Transport information**

ADR	IMDG	ICAO-TI	ADN	-
<b>14.1. UN number or ID number</b>				
UN3082	UN3082	UN3082	UN3082	
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), TERPINEOL ACETATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), TERPINEOL ACETATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), TERPINEOL ACETATE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), TERPINEOL ACETATE)	
<b>14.3. Transport hazard class(es)</b>				
9 (M6)	9	9	9	
				
<b>14.4. Packing group</b>				
III	III	III		
<b>14.5. Environmental hazards</b>				
Environmentally hazardous substance/marine pollutant	Environmentally hazardous substance/marine pollutant	Environmentally hazardous substance/marine pollutant	Environmentally hazardous substance/marine pollutant	

**14.6 Special precautions for user**

EmS	F-A, S-F
ADR transport category	3
Emergency action code	3Z
Hazard identification number (ADR/RID)	90
Tunnel restriction code	-
Transport category (ADR)	3

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Commission Regulation (EU) No 453/2010 of 20 May 2010.</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p> <p>Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. Commission Regulation (EU) No 2015/830 of 28 May 2015.</p>
<b>Guidance</b>	<p>Workplace Exposure Limits EH40.</p> <p>ECHA Guidance on the Application of the CLP Criteria.</p> <p>ECHA Guidance on the compilation of safety data sheets.</p> <p>COSHH Essentials.</p> <p>Technical Guidance WM2: Hazardous Waste.</p>

### 15.2 Chemical safety assessment

No information available

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

DNEL: Derived No Effect Level.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

**Revision comments**      New revision number applied to comply with Commission Regulation (EU) No 2015/830 Of 28 May 2015' NOTE: Lines within the margin indicate significant changes from the previous revision.

**Hazard statements in full:**

H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H400: Very toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.