

# SAFETY DATA SHEET

## CONSERVER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name CONSERVER  
Internal identification M159

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

Identified uses Rinse aid

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

Supplier GARDX INTERNATIONAL LTD  
UNIT 7 CLOVELLY BUSINESS PARK  
CLOVELLY ROAD  
SOUTHBOURNE, EMSWORTH  
HANTS  
PO10 8PE  
+44 (0)1243 376426  
product@gardx.co.uk

#### 1.4. Emergency telephone number

Emergency telephone (24 hrs) +44 (0) 777 8505 330

### SECTION 2: Hazards identification

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

##### Classification

Physical hazards Not Classified  
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318  
Environmental hazards Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC) Xi;R36/38.

#### 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.

## CONSERVER

<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P273 Avoid release to the environment.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/doctor.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p> <p>P280 Wear protective clothing, gloves, eye and face protection.</p>
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**Contains** DICOCODIMETHYLAMMONIUM CHLORIDE, COCO AMIDO PROPYL BETAINE

**Detergent labelling** < 5% aliphatic hydrocarbons,< 5% amphoteric surfactants,< 5% cationic surfactants,< 5% disinfectants,< 5% non-ionic surfactants,Contains 1,2-BENZOISOTHIAZOL-3(2H)-ONE

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>WHITE OIL</b>	<b>5-10%</b>
CAS number: 8042-47-5	EC number: 232-455-8
	REACH registration number: 01-2119487078-27-xxxx
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Asp. Tox. 1 - H304	Xn;R65.
<b>DICOCODIMETHYLAMMONIUM CHLORIDE</b>	<b>1-5%</b>
CAS number: 61789-77-3	EC number: 263-087-6
M factor (Acute) = 10	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R22. C;R34. N;R50.
Skin Corr. 1B - H314	
Aquatic Acute 1 - H400	
<b>2-BUTOXYETHANOL</b>	<b>1-5%</b>
CAS number: 111-76-2	EC number: 203-905-0
	REACH registration number: 01-2119475108-36-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R20/21/22 Xi;R36/38
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	

## CONSERVER

<b>COCO AMIDO PROPYL BETAINE</b>			<b>1-5%</b>
CAS number: 61789-40-0	EC number: 931-296-8	REACH registration number: 01-2119488533-30-xxxx	
<b>Classification</b> Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R41.	
<b>PROPAN-2-OL</b>			<b>&lt;1%</b>
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-xxxx	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R67	
<b>ALCOHOL ETHOXYLATE</b>			<b>&lt;1%</b>
CAS number: 68439-46-3			
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.	
<b>N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE</b>			<b>&lt;1%</b>
CAS number: 2372-82-9	EC number: 219-145-8	M factor (Acute) = 10	
<b>Classification</b> Acute Tox. 3 - H301 Skin Corr. 1A - H314 STOT RE 2 - H373 Aquatic Acute 1 - H400		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R48/22,R22. C;R35. N;R50.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

## CONSERVER

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Very toxic to aquatic life. Avoid discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Contain spillage with sand, earth or other suitable non-combustible material. Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Keep out of the reach of children. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Do not reuse empty containers. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Keep out of the reach of children. Store at temperatures between 4°C and 40°C.
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# CONSERVER

**Storage class** Corrosive storage.

## 7.3. Specific end use(s)

**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

#### Occupational exposure limits

#### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

#### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### DICOCODIMETHYLAMMONIUM CHLORIDE (CAS: 61789-77-3)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 12.75 Industry - Inhalation; Long term systemic effects: 27 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 7.65 mg/kg/day Consumer - Inhalation; Long term systemic effects: 8 Consumer - Oral; Long term systemic effects: 2.3 mg/kg/day
<b>PNEC</b>	Industry - Fresh water; 0.013 Industry - Marine water; 0.013 mg/l Industry - STP; 1.2 mg/l Industry - Sediment (Freshwater); 8.8 mg/kg Industry - Sediment (Marinewater); 0.88 mg/kg Industry - Soil; 7 mg/kg

### 2-BUTOXYETHANOL (CAS: 111-76-2)

<b>DNEL</b>	Industry - Dermal; Short term systemic effects: 89 mg/kg/day Industry - Inhalation; Short term systemic effects: 663 mg/m <sup>3</sup> Industry - Dermal; Long term systemic effects: 75 mg/kg/day Industry - Inhalation; Long term systemic effects: 98 mg/m <sup>3</sup> Consumer - Dermal; Short term systemic effects: 44.5 mg/kg Consumer - Inhalation; Short term systemic effects: 426 mg/m <sup>3</sup> Consumer - Oral; Short term systemic effects: 13.4 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 38 mg/kg Consumer - Oral; Long term systemic effects: 3.2 mg/kg Consumer - Inhalation; Long term systemic effects: 49 mg/kg Consumer - Inhalation; local effects: 123 mg/kg Industry - Inhalation; local effects: 246 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 8.8 mg/l - Marine water; 0.88 mg/l - Sediment (Freshwater); 34.6 mg/kg - Soil; 2.8 mg/kg - STP; 463 mg/l - Sediment (Marinewater); 3.46

## CONSERVER

### COCO AMIDO PROPYL BETAINE (CAS: 61789-40-0)

**DNEL** Industry - Dermal; Long term systemic effects: 12.5  
 Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 44 mg/m<sup>3</sup>

**PNEC** - Fresh water; 0.0135 mg/l  
 - STP; 300 mg/l  
 - Soil; 0.8 mg/kg  
 - Sediment (Marinewater); 0.1 mg/kg  
 - Sediment (Freshwater); 1 mg/kg  
 - Marine water; 0.00135 mg/l

### PROPAN-2-OL (CAS: 67-63-0)

**DNEL** Industry - Dermal; Long term systemic effects: 888 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 500 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 26 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>

**PNEC** - Fresh water; 140.9 mg/l  
 - Marine water; 140.9 mg/l  
 - Intermittent release; 140.9 mg/l  
 - Sediment (Freshwater); 552 mg/kg  
 - Sediment (Marinewater); 552 mg/kg  
 - STP; 2251 mg/l  
 - Soil; 28 mg/kg

### ALCOHOL ETHOXYLATE (CAS: 68439-46-3)

**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: 87 mg/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; 0.10379 mg/l  
 - Marine water; 0.10379 mg/l  
 - Fresh water, Intermittent release; 0.014 mg/l  
 - Sediment (Freshwater); 13.7 mg/kg  
 - Sediment (Marinewater); 13.7 mg/kg  
 - Soil; 1 mg/kg  
 - STP; 1.4 mg/l

## 8.2. Exposure controls

### Protective equipment



### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

# CONSERVER

**Hand protection** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex). Nitrile rubber. Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

**Hygiene measures** Wash hands thoroughly after handling.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Pink.
<b>Odour</b>	Mild.
<b>pH</b>	pH (concentrated solution): 5.0
<b>Relative density</b>	0.98 @ 25°C
<b>Solubility(ies)</b>	Emulsifiable in water.

### 9.2. Other information

**Other information** Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 6,078.47

## CONSERVER

### Acute toxicity - dermal

ATE dermal (mg/kg) 56,989.25

### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 591.4

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

### Toxicological information on ingredients.

#### WHITE OIL

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.1

Species Rabbit

ATE dermal (mg/kg) 2,000.1

#### DICOCODIMETHYLAMMONIUM CHLORIDE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 301.0

Species Rat

Notes (oral LD<sub>50</sub>) Estimated value.

ATE oral (mg/kg) 301.0

#### 2-BUTOXYETHANOL

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,746.0

Species Rat

ATE oral (mg/kg) 1,746.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 1,060.0



**CONSERVER**

<b>Species</b>	Rabbit
<b>ATE dermal (mg/kg)</b>	1,060.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	
<b>ATE inhalation (vapours mg/l)</b>	11.0

**COCO AMIDO PROPYL BETAINE**

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	5,000.0
<b>Species</b>	Rat

**PROPAN-2-OL**

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	4,700.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	4,700.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	16.4
<b>Species</b>	Rabbit

**ALCOHOL ETHOXYLATE**

<b><u>Acute toxicity - oral</u></b>	
<b>ATE oral (mg/kg)</b>	500.0

**N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE**

<b><u>Acute toxicity - oral</u></b>	
<b>ATE oral (mg/kg)</b>	100.0

**SECTION 12: Ecological Information**

**Ecotoxicity** Very toxic to aquatic life.

**Ecological information on ingredients.****PROPAN-2-OL**

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

**12.1. Toxicity**

**Acute toxicity - fish** Not determined.

**Ecological information on ingredients.**

## CONSERVER

### DICOCODIMETHYLAMMONIUM CHLORIDE

#### Acute aquatic toxicity

LE(C) <sub>50</sub>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC <sub>50</sub> , 96 hours, 96 hours: ~ 0.1 - 1.0 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	, 48 hours, 48 hours: ~ 0.1 - 1.0 mg/l, Freshwater invertebrates
Acute toxicity - microorganisms	, 3 hours, 3 hours: > 10 - 100 mg/l, Activated sludge

### 2-BUTOXYETHANOL

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 820 - 1490 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 835 - 1550 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC <sub>50</sub> , 72 hours: 1840 mg/l, Algae

### COCO AMIDO PROPYL BETAINE

Acute toxicity - fish	LC <sub>50</sub> , 96 hours, 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow) LC <sub>50</sub> , 96 hours, 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours, 48 hours: 1.9 mg/l, Freshwater invertebrates EC <sub>50</sub> , : 0.3 mg/l, Freshwater invertebrates EC <sub>50</sub> , 48 hours: 21.5 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 48 hours, 48 hours: 30.0 mg/l, Marinewater algae

### PROPAN-2-OL

Toxicity	Not considered toxic to fish.
Acute toxicity - fish	LC <sub>50</sub> , 96 hours, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , : 9714 mg/l, Daphnia magna EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours, 72 hours: > 100 mg/l, Scenedesmus subspicatus IC <sub>50</sub> , 72 hours: >100 mg/l, Algae

### ALCOHOL ETHOXYLATE

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 57 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 2.5 mg/l, Daphnia magna

### N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

#### Acute aquatic toxicity

## CONSERVER

**LE(C)<sub>50</sub>** 0.01 < L(E)C<sub>50</sub> ≤ 0.1

**M factor (Acute)** 10

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### Ecological information on ingredients.

##### 2-BUTOXYETHANOL

**Persistence and degradability** The product is readily biodegradable.

##### PROPAN-2-OL

**Persistence and degradability** The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### Ecological information on ingredients.

##### 2-BUTOXYETHANOL

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

##### COCO AMIDO PROPYL BETAINE

**Bioaccumulative potential** BCF: < 71,

##### PROPAN-2-OL

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is partly soluble in water and may spread in the aquatic environment.

#### Ecological information on ingredients.

##### COCO AMIDO PROPYL BETAINE

**Mobility** The product is soluble in water.

##### PROPAN-2-OL

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

##### 2-BUTOXYETHANOL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

# CONSERVER

## COCO AMIDO PROPYL BETAINE

**Results of PBT and vPvB assessment** This substance is not identified as a PBT substance.

## PROPAN-2-OL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### Ecological information on ingredients.

## COCO AMIDO PROPYL BETAINE

**Other adverse effects** Harmful to aquatic organisms

## PROPAN-2-OL

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicocodimethylammonium chloride)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicocodimethylammonium chloride)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicocodimethylammonium chloride)

### 14.3. Transport hazard class(es)

**ADR/RID class** 9

**IMDG class** 9

**ICAO class/division** 9

# CONSERVER

## Transport labels



### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

Not applicable.

Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
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).

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

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

ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
BCF: Bioconcentration Factor.  
vPvB: Very Persistent and Very Bioaccumulative.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

## CONSERVER

<b>Revision date</b>	04/04/2016
<b>Revision</b>	3.2
<b>Supersedes date</b>	08/09/2015
<b>SDS number</b>	25021
<b>Risk phrases in full</b>	R11 Highly flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness.
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.