

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006*

**ALBION CAPB (Cocamidopropyl Betaine)**

Version 8.0

Print Date 2022/03/10

Revision date / valid from 2022/03/10

**MSDS code: MVVV251**

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

**1.1. Product identifier**

Trade name : ALBION CAPB

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

Use of the Substance/Mixture : Surfactant

Uses advised against : At this moment we have not identified any uses advised against

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

Company : Stansfield's Fragrance Oils  
Unit 14A Ipark Industrial Estate  
Innovation Drive, Hull

Telephone : +44 (0)1482 447272

E-mail address : info@stansfields.shop

**1.4. Emergency telephone number**

Emergency telephone number : Emergency only telephone number (open 24 hours):  
+44 (0)7921 236290

**SECTION 2: Hazards identification**

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

**Classification according to Regulation S.I. 2019/720 (GB CLP)**

<b>Regulation S.I. 2019/720 (GB CLP)</b>			
<b>Hazard class</b>	<b>Hazard category</b>	<b>Target Organs</b>	<b>Hazard statements</b>
Serious eye damage	Category 1	---	H318
Long-term (chronic) aquatic hazard	Category 3	---	H412

For the full text of the H-Statements mentioned in this Section, see Section 16.


**Most important adverse effects**

## ALBION CAPB (Cocamidopropyl Betaine)

Human Health	:	See section 11 for toxicological information.
Physical and chemical hazards	:	See section 9/10 for physicochemical information.
Potential environmental effects	:	See section 12 for environmental information.

### 2.2. Label elements

#### Labelling according to Regulation S.I. 2019/720 (GB CLP)

Hazard symbols	:	
Signal word	:	Danger
Hazard statements	:	H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	:	
Prevention	:	P273 Avoid release to the environment. P280 Wear eye protection/ face protection.
Response	:	P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Disposal	:	P501 Dispose of contents/ container to an approved waste disposal plant.

#### Hazardous components which must be listed on the label:

- 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## ALBION CAPB (Cocamidopropyl Betaine)

Hazardous components	Amount [%]	Classification (Regulation S.I. 2019/720 (GB CLP))	
		Hazard class / Hazard category	Hazard statements
<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts</b>			
EC-No. : 931-296-8	36	Eye Dam.1	H318
EU REACH- : 01-2119488533-30-xxxx		Aquatic Chronic3	H412
Reg. No.			

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- General advice : Take off contaminated clothing and shoes immediately.
- If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention for any breathing difficulties.
- In case of skin contact : Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
- If swallowed : Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention.

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

- Symptoms : See Section 11 for more detailed information on health effects and symptoms. Skin irritation, Eye irritation
- Effects : See Section 11 for more detailed information on health effects and symptoms.

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

- Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing : Use extinguishing measures that are appropriate to local

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media circumstances and the surrounding environment. Water,  
Carbon dioxide (CO<sub>2</sub>), Sand  
Unsuitable extinguishing media : No information available.

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

Specific hazards during firefighting : In the event of fire and/or explosion do not breathe fumes.

### **5.3. Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.  
Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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

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

Personal precautions : Use personal protective equipment. Avoid contact with skin and eyes. For personal protection see section 8. Danger of slipping if spilled

### **6.2. Environmental precautions**

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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

Methods and materials for containment and cleaning up : Clean-up methods - large spillage: Remove by pumping.  
: Clean-up methods - small spillage: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of in accordance with local regulations.

Further information : For disposal considerations see section 13.

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

For personal protection see section 8.

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

### **7.1. Precautions for safe handling**

Advice on safe handling : Keep container tightly closed. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Avoid inhalation of vapour or mist. Ensure adequate ventilation.

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Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and the eyes.

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

Requirements for storage areas and containers : Keep only in the original container. Suitable materials for containers: Plastic material; Clean bulk tanks periodically to prevent accumulation of bacteria.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep away from heat. Protect from frost. Keep away from direct sunlight.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

### **7.3. Specific end use(s)**

Specific use(s) : No information available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

#### **Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**

DNEL  
Workers, Long-term - systemic effects, Skin contact : 12.5 mg/kg bw/day

DNEL  
Workers, Long-term - systemic effects, Inhalation : 44 mg/m<sup>3</sup>

DNEL  
Consumers, Long-term - systemic effects, Skin contact : 7.5 mg/kg bw/day

DNEL  
Consumers, Long-term - systemic effects, Ingestion : 7.5 mg/kg bw/day

#### **Predicted No Effect Concentration (PNEC)**

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Fresh water	:	0.0135 mg/l
Marine water	:	0.00135 mg/l
Sewage treatment plant (STP)	:	3000 mg/l
Fresh water sediment	:	1 mg/kg d.w.
Marine sediment	:	0.1 mg/kg d.w.
Soil	:	0.8 mg/kg d.w.

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Refer to protective measures listed in sections 7 and 8.

#### **Personal protective equipment**

##### *Respiratory protection*

Advice : If ventilation is insufficient, suitable respiratory protection must be provided

##### *Hand protection*

Advice : The glove material has to be impermeable and resistant to the product / the substance / the preparation.  
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
Protective gloves should be replaced at first signs of wear.

##### *Eye protection*

Advice : Safety goggles

##### *Skin and body protection*

Advice : Wear personal protective equipment.

#### **Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## **SECTION 9: Physical and chemical properties**

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

## **ALBION CAPB (Cocamidopropyl Betaine)**

Form	: Liquid
Colour	: yellow
Odour	: characteristic
Odour Threshold	: No data available
pH	: ca. 5
Freezing point	: No data available
Boiling point/boiling range	: 100 °C Water
Flash point	: No data available
Evaporation rate	: (Butyl Acetate = 1), Not applicable (ether = 1), Not applicable
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: similar to water
Relative vapour density	: Water
Density	: 1.06 g/cm <sup>3</sup> (20 °C)
Water solubility	: soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: 208 °C
Viscosity, dynamic	: ca. 50 mPa.s (20 °C) (Brookfield)
Explosivity	: No data available
Oxidizing properties	: No data available

### **9.2. Other information**

No further information available.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Advice : Reacts with the following substances:

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strong acids

### **10.2. Chemical stability**

Advice : Stable under recommended storage conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous reactions : None known.

### **10.4. Conditions to avoid**

Conditions to avoid : None known.  
Thermal decomposition : 208 °C

### **10.5. Incompatible materials**

Materials to avoid : Strong acids, Substances and mixtures which may react violently with water

### **10.6. Hazardous decomposition products**

Hazardous decomposition products : Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Toxic gases

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Data for the product**

#### **Acute toxicity**

##### **Oral**

No data available

##### **Inhalation**

No data available

##### **Dermal**

No data available

#### **Irritation**

##### **Skin**

No data available

##### **Eyes**



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Result : Causes serious eye damage.

### **Sensitisation**

No data available

### **CMR effects**

#### **CMR Properties**

Carcinogenicity : No data available

Mutagenicity : No data available

Reproductive toxicity : No data available

### **Specific Target Organ Toxicity**

#### **Single exposure**

No data available

#### **Repeated exposure**

No data available

### **Other toxic properties**

#### **Repeated dose toxicity**

No data available

#### **Aspiration hazard**

No data available

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### **Acute toxicity**

#### **Oral**

LD50 Oral : 2335 mg/kg (Rat)

#### **Inhalation**

No data available

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### **Dermal**

LD50 : > 2000 mg/kg (Rat)

### **Irritation**

#### **Skin**

Result : (No skin irritation)

#### **Eyes**

Result : Risk of serious damage to eyes.

### **Sensitisation**

Result : Based on available data, the classification criteria are not met.

### **CMR effects**

#### **CMR Properties**

Carcinogenicity : Based on available data, the classification criteria are not met.  
Mutagenicity : Based on available data, the classification criteria are not met.  
Reproductive toxicity : Based on available data, the classification criteria are not met.

### **Specific Target Organ Toxicity**

#### **Single exposure**

Remarks : Based on available data, the classification criteria are not met.

#### **Repeated exposure**

Remarks : Based on available data, the classification criteria are not met.

### **Other toxic properties**

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.,

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

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### **Data for the product**

#### **Chronic toxicity**

##### **Fish**

: Harmful to aquatic life with long lasting effects.

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

#### **Acute toxicity**

##### **Fish**

LC50 : 1.1 mg/l (Fish)

#### **Toxicity to daphnia and other aquatic invertebrates**

EC50 : 1.9 mg/l (Daphnia (water flea))

##### **algae**

ErC50 : 2.4 mg/l (algae)

### **12.2. Persistence and degradability**

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

#### **Persistence and degradability**

##### **Persistence**

Result : No data available

##### **Biodegradability**

Result : 91.6 % (aerobic)(OECD Test Guideline 301B)Readily biodegradable.The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 and 907/2006 on detergents.

### **12.3. Bioaccumulative potential**

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**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### **Bioaccumulation**

Result : log Kow 4.2  
: BCF: 71;

#### **12.4. Mobility in soil**

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### **Mobility**

: No data available

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

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### **Results of PBT and vPvB assessment**

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### **12.6. Other adverse effects**

**Component:** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs.,hydroxides, inner salts

### **Additional ecological information**

Result : No data available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

## **ALBION CAPB (Cocamidopropyl Betaine)**

Product	:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging	:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

### **SECTION 14: Transport information**

Not dangerous goods for ADR, RID, IMDG and IATA.

#### **14.1. UN number**

Not applicable.

#### **14.2. UN proper shipping name**

Not applicable.

#### **14.3. Transport hazard class(es)**

Not applicable.

#### **14.4. Packaging group**

Not applicable.

#### **14.5. Environmental hazards**

Not applicable.

#### **14.6. Special precautions for user**

Not applicable.

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

IMDG : Not applicable.

### **SECTION 15: Regulatory information**

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

## **ALBION CAPB (Cocamidopropyl Betaine)**

### **15.2. Chemical safety assessment**

No data available

### **SECTION 16: Other information**

#### **Full text of H-Statements referred to under sections 2 and 3.**

H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

#### **Abbreviations and Acronyms**

<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>REACH Auth. No.:</b>	REACH Authorisation Number
<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>vPvB</b>	very persistent and very bioaccumulative

## **ALBION CAPB (Cocamidopropyl Betaine)**

### **Further information**

Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.