



## CERTIFICATE OF ANALYSIS

Product Name: CETEARYL ALCOHOL  
Batch Number: 4383901  
Best Before End: JANUARY 2023

Characteristic / Method	Unit	Analysis / Result	Standard
Appearance at 25°C		Conforms	White to light yellowish pastilles or flakes
Acid value	mg KoH/gm	0.018	0.20 max
Saponification value	mg KoH/gm	0.18	1.20 max
Iodine value	Gm/ 100gm	0.19	0.50 max
Hydroxyl value	mg KoH/gm	213.70	205.00 – 222.00
Moisture	%	0.095	0.30 max
Solidification/Melting point	°C	53.00	50.00 – 54.00
C-Chain Distribution			
C14	%	0.06	2.00 max
C16	%	29.87	22.00 – 35.00
C18	%	68.61	65.00 min
C20 and Higher	%	0.65	2.00 max



**ALLERGEN STATEMENT**  
**Cetearyl Alcohol**

This is to certify that the above mentioned product (INCI: Cetearyl Alcohol) does not contain any of the prohibited allergens listed in Annex III of the Directive 2003/15/EC (7th amendment of the EU Cosmetics Directive), in its subsequent amendments or in the cosmetics Regulation (EC) 1223/2009.

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## OVERVIEW

# CETEARYL ALCOHOL

Jul 2018

Does not contain: Gluten, Nut. Salicylate free, GMO free and may be classed suitable for vegans [own discretion] Non-Animal tested

REACH registered.

### **Application areas**

Personal Care: Rheology Modifier – Skin Creams & Lotions



## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

### 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Chemical Name	<i>Cetearyl Alcohol</i>
Other names	Cetostearyl/Stearyl
CAS No.	67762-27-0
EINECS No.	267-008-6

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

Identified use(s)	Emulsifier, Thickening agent
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Uses advised against	None known.
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#### 1.3 Details of the supplier of the safety data sheet

Company Identification	Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk
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### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Not classified as dangerous according to EC 1272/2008

##### 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC

Not classified as dangerous according to 67/548/EEC

Not classified as dangerous according to EC 1272/2008

#### 2.2 Label elements

##### 2.2.1 Label elements

GHS Product Identifier	Kemol FA1618
Hazard pictogram(s)	Not required
Signal word(s)	Not required
Hazard statement(s)	None required
Precautionary statement(s)	None required

2.2.2 **Label elements** According to Directive 67/548/EEC : Not applicable

2.3 **Other hazards** Not applicable

2.4 **Additional Information**

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

EC Classification No. 1272/2008

Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Alcohols C16-18	90 %	67762-27-0	267-008-6	Not classified

EC Classification No. 67/548/EEC

Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
Alcohols C16-18	90 %	67762-27-0	267-008-6	Not classified

#### 3.3 Additional Information

For full text of R/H/P phrases see section 16.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

Unlikely route of exposure. Remove persons affected by vapour to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary. If symptoms develop, obtain medical attention.

Skin Contact

Remove contaminated clothing and wash affected skin with plenty of soap and water. Wash contaminated clothing before reuse. If symptoms develop, obtain medical attention.

Eye Contact

Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.

Ingestion

Obtain medical attention. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting without medical advice.

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

Irritation, coughing, nausea, vomiting

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

Increased difficulty in breathing.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable Extinguishing Media

Water jet

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

Combustible but not readily ignited.

mixture

- 5.3 **Advice for fire-fighters** Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Put on protective clothing. Avoid contact with skin and eyes. Eliminate sources of ignition.
- 6.2 **Environmental precautions** Do not allow to enter drains, sewers or watercourses.
- 6.3 **Methods and material for containment and cleaning up** Sweep up spilled substance. Transfer to a lidded container for disposal or recovery.  
To be disposed of as hazardous waste.
- 6.4 **Reference to other sections** See Section: 8 (Exposure controls / PPE) & 13 (Disposal)

## 7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin and eyes. Avoid breathing dust. Use only in well-ventilated areas.
- 7.2 **Conditions for safe storage, including any incompatibilities** Keep only in the original container in a cool, well-ventilated place. Keep containers properly sealed when not in use.  
Maximum : 30 degC.  
One year.  
Strong oxidising agents. Strong acids  
This product should be kept away from naked flames and other sources of ignition. Keep away from food, drink and animal feedingstuffs.
- Storage Temperature  
Storage Life  
Incompatible materials  
Other information

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

**WEL: Workplace Exposure Limit (UK HSE EH40)**

LTEL (8 hr TWA mg/m<sup>3</sup>)  
LTEL (8 hr TWA mg/m<sup>3</sup>)

Not listed  
Not listed

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction if dust is likely to be evolved.

#### 8.2.2 Personal protection equipment

Eye/face protection

Safety spectacles/goggles. Minimum standard EN166.



Skin protection (Hand protection/ Other)



Nitrile or butyl gloves. Minimum standard EN374-3.  
Apron or other light protective clothing.

Respiratory protection



Provide adequate ventilation, including appropriate local extraction. Personal respiratory equipment is not normally required. If ventilation is inadequate and dust/mist cannot be avoided wear Full-/Half-/quarter-face masks ( EN 136/140/141) with Type A filter

Other

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and after work.

Wash contaminated clothing before reuse.

### 8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties (Solution)

Appearance	Solid or liquid depending on delivery state
Colour	White.
Odour	Perceptible odour. Alcohol-like
Odour Threshold (ppm)	Not available
pH (Value)	Not applicable
Melting Point (°C) / Freezing Point (°C)	48-53 degC
Boiling point/boiling range (°C):	310-360 degC
Flash Point (°C) [Closed cup]	170 degC
Evaporation rate (Butyl acetate = 1)	<< 1
Explosive limit ranges	Not applicable.
Vapour Pressure (mmHg)	< 1 mmHg at 20 degC
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	0.82 at 20 degC
Solubility (Water)	Insoluble
Solubility (Other)	Soluble in: Most organic solvents
Partition Coefficient (n-Octanol/water)	Log Kow > 6.7
Auto Ignition Temperature (°C)	269 degC (Stearyl alcohol)
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	Not applicable
Explosive properties	Not explosive.
Oxidising properties	Not oxidising

### 9.2 Other information

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Reacts with Strong oxidising agents and acids
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	High temperatures
10.5 Incompatible materials	Strong oxidising agents. Strong acids
10.6 Hazardous Decomposition Product(s)	None known

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

##### Acute toxicity

Ingestion	LD50 > 5 000 mg/kg (rat)(Cetyl alcohol) LD50 > 2 000 mg/kg (rat)(Stearyl alcohol)
Inhalation (4 hrs)	Not available
Skin Contact	LD50 : 3 200 mg/kg (rat)(Cetyl alcohol)
<b>Skin corrosion/irritation</b>	Not irritant.
<b>Serious eye damage/irritation</b>	Slightly irritant.
<b>Respiratory or skin sensitization</b>	It is not a skin sensitizer in animal tests.
<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	No evidence of reproductive toxicity.
<b>STOT-single exposure</b>	<b>Inhalation</b> : Irritation of the respiratory tract. Coughing. <b>Ingestion</b> : Inflammation of digestive tract
<b>STOT-repeated exposure (91 days)</b>	No data



## 11.2 Other information

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b> (Fish) (96hrs) (Daphnia magna) (48hrs) (Algae) (72hrs)	NOEC > 0.4mg/l (> limit of solubility)(Stearyl alcohol) EC50 > 0.01 mg/L (> limit of solubility)(Cetyl alcohol) EC50 > 0.01 mg/l (> limit of solubility)(Cetyl alcohol)
<b>12.2 Persistence and degradability</b>	Readily biodegradable.
<b>12.3 Bioaccumulative potential (96 hrs)</b>	The product has moderate potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	This product is predicted to degrade in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Material to be disposed of as hazardous waste. Normal disposal is via incineration operated by an accredited disposal contractor. Consult an accredited waste disposal contractor or the local authority for advice.
<b>13.2 Additional Information</b>	

## 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1 Land transport (ADR/RID)</b> UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
<b>14.2 Sea transport (IMDG)</b> UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
<b>14.3 Air transport (ICAO/IATA)</b> UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

## 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b> Authorisations and/or restrictions on use	None anticipated
<b>15.1.2 National regulations</b>	None assigned
<b>15.2 Chemical Safety Assessment</b>	No Chemical Safety Assessment (CSA) has been carried out

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 - #16.

References:

European Chemicals Agency  
European Chemicals Bureau  
European Regulations and Directives  
Published chemical directories  
Suppliers' safety data sheets  
UK Health and Safety Executive  
US Environmental Protection Agency

**Risk Phrases**

None required

**Hazard statement(s)**

None required

**Precautionary statement(s)**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTRE or doctor if you feel unwell.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

**Additional Information**

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## Product Data Sheet

### Cetearyl Alcohol Wax

INCI Name	CAS Number	EINECS
Cetearyl Alcohol	67762-30-5	267-009-1

Parameter	Unit	Specification
Appearance at 25°C		White to light yellowish pastilles or flakes
Acid value	mg KoH/gm	0.20 max.
Saponification value	mg KoH/gm	1.20 max.
Iodine value	Gm/ 100gm	0.50 max.
Colour	APHA	10.00 max.
Hydroxyl value	mg KoH/gm	205.00 – 222.00
Moisture	%	0.30 max.
Solidification/Melting point	°C	50.00 – 54.00
C-Chain Distribution		
C14	%	7.00 max.
C16	%	22.00 - 35.00
C18	%	65.00 min.
C20	%	2.00 max.
C22	%	1.00 max

#### Additional Comment

#### Storage & Transportation Comments

When stored properly at room temperature **KEMOL FA1618** remains stable for at least 1 year.

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