



## CERTIFICATE OF ANALYSIS

Product Name: CETYL ALCOHOL  
Batch Number: 4394207  
Best Before End: APRIL 2023

Characteristic / Method	Unit	Analysis / Result	Standard
Appearance at 25°C		Conforms	White to light yellowish pastilles or flakes
Acid value	mg KoH/gm	0.02	0.10 max
Saponification value	mg KoH/gm	0.18	0.50 max
Iodine value	Gm/ 100gm	0.19	0.50 max
Hydroxyl value	mg KoH/gm	229.50	225.00 – 235.00
Moisture	%	0.065	0.20 max
Solidification/Melting point	°C		47.00 – 51.00
C-Chain Distribution			
C14	%	0.13	3.00 max
C16	%	98.89	95.00 MIN
C18	%	0.67	2.00 MAX



1 December 2016

## ALLERGEN STATEMENT

Product: CETYL ALCOHOL BEADS

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



## GMO Statement

PRODUCT NAME: Cetyl Alcohol

Naturally Balmy Limited can confirm that the above listed product is GMO Free.

06/03/2019



## Product Data Sheet

### CETYL ALCOHOL BEADS

INCI Name	CAS Number	EINECS
Cetyl Alcohol	36653-82-4	253-149-0

Parameter	Unit	Specification
Appearance at 25°C		White to light yellowish pastilles or flakes
Acid value	mg KoH/gm	0.10 max.
Saponification value	mg KoH/gm	0.50 max.
Iodine value	I gm/ 100gm	0.50 max.
Hydroxyl value	mg KoH/gm	225.00 – 235.00
Moisture	%	0.20 max
Solidification/Melting point	°C	47.00 – 51.00
C-Chain Distribution		
C14	%	3.00 max.
C16	%	95.00 min.
C18	%	2.00 max.

#### Additional Comment

On account of its consistency giving characteristics CETYL ALCOHOL is mainly used for viscosity regulation in cosmetic and pharmaceutical O/W emulsions.

#### Storage & Transportation Comments

When stored properly at room temperature **CETYL ALCOHOL** remains stable for at least 1 year.

Version 1.0 16/04/2012

The information on product specifications provided herein is only binding to the extent confirmed by Naturally Balmy in a written Sales Agreement. Naturall Balmy EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE SUITABILITY OF THE PRODUCTS FOR ANY SPECIFIC OR PARTICULAR PURPOSES INTENDED BY THE USER. Suggestions for the use and application of the products and guide formulations are given for information purposes only and without commitment. Such suggestions do not release Naturally Balmy's customers from testing the products as to their suitability for the customer's intended processes and purposes. Naturally Balmy does not assume any liability or risk involved in the use of its products as the conditions of use are beyond its control. The user of the products is solely responsible for compliance with all laws & regulations applying to the use of the products, including intellectual property rights of third parties.

# SAFETY DATA SHEET

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

Revision : 1

Date: 27 February 2012

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

### 1.1 Product identifier

Product Identifier	Cetyl Alcohol
Chemical Name	<i>Hexadecan-1-ol</i>
Other names	Cetyl alcohol
CAS No.	36653-82-4
EINECS No.	253-149-0

### 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	Naturally Balmy Ltd, 8 Benson Road, Nuffield Industrial Estate, Poole BH17 0GB Tel: 01202 567046   Email: sales@naturallybalmy.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
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2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous according to 67/548/EEC
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2.2 Label elements	Not classified as dangerous according to EC 1272/2008
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### 2.2.1 Label elements

GHS Product Identifier	Cetyl Alcohol
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Hazard pictogram(s)	Not required
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Signal word(s)	Not required
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Hazard statement(s)	None required
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Precautionary statement(s)	None required
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2.2.2 Label elements	According to Directive 67/548/EEC : Not applicable
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2.3 Other hazards	Not applicable
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2.4 Additional Information	
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### 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)
Hexadecan-1-ol	>90 %	36653-82-4	253-149-0	Not classified

EC Classification No. 67/548/EEC

Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
Hexadecan-1-ol	>90 %	36653-82-4	253-149-0	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

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. If symptoms occur obtain medical attention.

#### 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 mixture

Combustible but not readily ignited.

- 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>) Not listed  
LTEL (8 hr TWA mg/m<sup>3</sup>) 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** Safety spectacles/goggles. Minimum standard EN166.
- Eye/face protection 
- 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/mists 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	Pastilles
Colour	White.
Odour	None
Odour Threshold (ppm)	Not applicable
pH (Value)	Not applicable
Melting Point (°C) / Freezing Point (°C)	47-51 degC
Boiling point/boiling range (°C):	344 degC
Flash Point (°C) [Closed cup]	> 157 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)	0.81-0.83 at 20 degC
Solubility (Water)	Insoluble
Solubility (Other)	Soluble in: Most organic solvents
Partition Coefficient (n-Octanol/water)	Log Kow = 6.73 (estimate)
Auto Ignition Temperature (°C)	272 degC
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

<b>Acute toxicity</b>	
Ingestion	LD50 > 5 000 mg/kg (rat)
Inhalation (4 hrs)	Not available
Skin Contact	LD50 :> 3 200 mg/kg (mouse)
<b>Skin corrosion/irritation</b>	Slightly irritant.
<b>Serious eye damage/irritation</b>	Slightly irritant.
<b>Respiratory or skin sensitization</b>	It is not predicted to be a skin sensitiser.
<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)	LC50 > 100 mg/l NOEC>0,4 mg/L
(Daphnia magna) (48hrs) (Algae) (72hrs)	EC50 > 0.01 mg/l (limit of solubility) EC50>0.01 mg/l (limit of solubility)
<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.



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Cetyl Alcohol

Naturally Balmy Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

28/06/19