



Certificate of Analysis

Name: Cetearyl Alcohol Wax
Batch: 4435404
Best Before Date: June 2024

Test parameter	Unit	Specification	Result
Appearance (20°C)		Flakes	Conforms
Colour	APHA	0.00-20.00	3.00
Water content	%	0.00-0.30	0.03
Acid value	mg. KOH/gr	0.00-0.10	0.00
Hydroxyl value	mg. KOH/gr	210.00 – 222.00	210.00
Saponification value	mg. KOH/gr	0.00-1.50	0.50
C14 & lower	%	0.00-4.00	0.80
C16	%	25.00-35.00	26.60
C18	%	60.00 – 75.00	71.17
C20	%	0.00 – 3.00	0.50
Iodine Value	gr12/100gr	0.00-1.00	0.20

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our manufacturers' quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

THIS REPORT HAS BEEN PRODUCED ELECTRONICALLY AND DOES NOT REQUIRE A SIGNATURE.



Allergen Statement

Cetearyl Alcohol

To whom it may concern

Prime Surfactants Limited certify that Cetearyl alcohol origin is 100% palm oil and does not contain allergens listed below:

Coconut and Derivatives
Soybean and Derivatives
Milk and Dairy Products

26/03/2020

SAFETY DATA SHEET

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

- Product Name: Cetearyl Alcohol
- Chemical Name: Cetearyl Alcohol
- CAS Number: 67762-27-0
- EC Number:
- REACH Registration Number:
- Synonyms:

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

- Use of the substance/mixture: Raw material for washing and cleaning agents., Personal care products and industrial applications, Cosmetic raw material.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: MADAR Corporation Limited
- Address of Supplier: 19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA
+ 44 (0) 1425 655 555
- Telephone:
- Responsible Person:
- Email: technical@madarcorporation.co.uk

1.4 Emergency telephone number

- Emergency Telephone: + 44 (0) 1425 655 555 (9AM-5PM)
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Non hazardous classification according to CLP (EC No 1272/2008)

2.2 Label elements

- Signal Word: None

2.2.1 Hazard statements

None assigned

2.2.2 Precautionary statements

None assigned

2.3 Other hazards

- No other hazards
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SECTION 3: Composition/information on ingredients

SECTION 3: Composition/information on ingredients (....)

3.1 Substances

- Not applicable

3.2 Mixtures

Chemical characterization

Alcohol mixture according to alcohols, C16-18 (CAS 67762-27-0)

Hazardous Ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH) annex II.

Additional ingredients

hexadecan-1-ol

CAS: 36653-82-4

EC: 253-149-0

REACH Reg: 01-2119485905-24-0012

Concentration: >=25.00 - <75.00 %-b.w

octadecan-1-ol

CAS: 112-95-5

EC: 204-017-6

REACH Reg: 01-2119485907-20-0010

Concentration: >=25.00 - <75.00 %-b.w

SECTION 4: First aid measures

4.1 Description of first aid measures

- General Measures:
- In case of persisting adverse effects, consult a physician.
- Remove contaminated clothing and shoes immediately, and launder before re-using

4.1.1 Contact with eyes

Immediately flush eyes with plenty of flowing water for at least 15 minutes holding eyelids apart.

4.1.2 Contact with skin

After contact with skin, wash immediately with plenty of soap and water

4.1.3 Ingestion

Rinse mouth and drink large quantities of water.

Never give anything by mouth to an unconscious person

4.1.4 Inhalation

Move affected person to fresh air at once.

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures (....)

- Treat symptomatically
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media: Dry chemical extinguisher, Carbon dioxide (CO₂), Alcohol-resistant foam
- Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

- In the event of fire, the following can be released: Carbon monoxide and carbon dioxide, Aldehydes., Ketones.
Combustion products of this material have to be classed invariably as respiratory poison. Vapours are heavier than air.
Formation of explosive mixtures with air is possible

5.3 Advice for firefighters

- Wear self contained breathing apparatus.
 - Wear suitable protective clothing
-

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel: Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing
- For emergency personnel: No data available. Personal protective equipment (PPE) – see section 8.

6.2 Environmental precautions

- Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations". Avoid raising dust

6.4 Reference to other sections

- No data available
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Provide adequate ventilation, and local exhaust as needed
- Avoid contact with skin, eyes and clothing.
- Avoid raising dust
- Advice on general occupational hygiene: Do not eat, drink or smoke during work time., Keep away from food, drink and animal feeding stuffs., Avoid contact with skin and eyes, Remove contaminated clothing and protective equipment before entering eating areas.

Do not inhale dust

Provide eye wash fountain in work area

SECTION 7: Handling and storage (....)

- Advice on protection against fire and explosion: Keep away from sources of heat and ignition., P243 - Take action to prevent static discharges., Avoid deposition of dust.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and in a well ventilated place
- Do not store with alkalis or oxidizing agents

7.3 Specific end use(s)

- See Section 1

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No parameters available for monitoring

8.1.1 DNEL/DMEL

8.1.2 PNEC

8.2 Exposure controls



Respirator



Goggles



Gloves

- Respiratory Protection: If work place exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified

- Eye/Face Protection: Tightly sealed goggles according to EN 166

- Hand Protection:

Sufficient protection is given wearing suitable protective gloves checked according to i.e EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work- station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturers instructions and information relating to the use, storage, care and replacement of protective gloves.

Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves

- Other Protection: Normal chemical work clothing

8.3 Environmental exposure controls

- No information available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Solid, Flakes
- Colour: White
- Odour: Soap like

SECTION 9: Physical and chemical properties (....)

- pH: No information available
- Melting point/Range: 53°C
- Boiling Point/Range: 331-360°C
- Solubility in water: < 1 mg/l @ 23°C
- Flashpoint: Closed cup 154°C
- Explosive Properties: No information available
- Oxidising Properties: No information available
- Flammability (solid, gaseous) No information available
- Upper/lower flammable or explosive limits No information available
- Vapour Pressure: <1mmHg, 22°C
- Vapour Density: No information available
- Density: 0.805 g/cm³, 70°C
- Viscosity: Dynamic 10 mPa.s, 65°C
- Autoignition Temperature: Approximately 259°C
- Partition Coefficient (n-Octanol/Water): Log Pow > 6.0

9.2 Other information

- No additional information.
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SECTION 10: Stability and reactivity

10.1 Reactivity

- Considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No information available

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- Strong oxidising materials.

10.6 Hazardous decomposition products

- Aldehydes.
 - Ketones.
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SECTION 11: Toxicological information

SECTION 11: Toxicological information (....)

11.1 Information on toxicological effects

11.2 Contact with eyes

- No data available

11.3 Contact with skin

- No data available

11.4 Ingestion

- No data available

11.5 Inhalation

- No information available

11.6 Carcinogenicity

- No data available

11.7 Mutagenicity

- No data available

11.8 Teratogenicity

- No data available

SECTION 12: Ecological information

12.1 Toxicity

- No data available

12.2 Persistence and degradability

- Readily biodegradable

12.3 Bioaccumulative potential

- Partition Coefficient (n-Octanol/Water): Log Pow > 6.0

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- Do not allow to enter into ground-water, surface water or drains

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations (....)

13.1 Waste treatment methods

- Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
 - Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal.
 - Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.
 - Avoid release to the environment. Refer to special instructions/Safety data sheets
 - Disposal should be in accordance with local, state or national legislation
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified
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SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation (Authorization list)

Regulation (EC) No 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles.

SECTION 15: Regulatory information (....)

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
The substance is not subject to part 1 or 2 of Annex I

15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out for this substance.

SECTION 16: Other information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

--- end of safety datasheet ---



Product Specification

Cetearyl Alcohol

INCI	CAS number	EC number
CETEARYL ALCOHOL	67762-27-0	267-008-6

Test parameter	Unit	Specification
Visual Appearance		Flakes – Liquid at 60°C
Colour	APHA	20 max
Water (K.F.)	%	0.3 max
Acid value	mg KOH/g	0.1 max
Hydroxyl value	mg KOH/g	210 - 222
Saponification value	mg KOH/g	1.5 max
Iodine value	gI ₂ /100g	1 max

Additional information

Carbon chain Distribution

C14 & inf.	= 4% max
C16	= 25 – 35%
C18	= 60 – 75%
C20	= 3% max

Solidification point	49 – 53°C
Hydrocarbon content	0.5% max
Raw Material basis	Vegetable
Example of use	Emulsifying, cosmetic

Disclaimer

Suggestion for the use of the application of the products and guide formulations are given just as information and without commitment. Such suggestions do not release Prime Surfactants customers from testing the products for their intended processes and purposes. Prime Surfactants does not assume any liability or risk involved in the use of its products as the conditions of use are beyond its control. The use of the products is solely responsible for compliance with all laws and regulations applying to the use of the products, including patents of third parties.



Vegan Statement

Cetearyl Alcohol

This is to certify that Cetearyl Alcohol is made solely from a synthetic origin. No material of animal origin is used in the manufacture of Cetearyl Alcohol, and the product is manufactured in a facility that is free from animal products and derivatives. Cetearyl Alcohol is therefore suitable for use in products intended for vegetarians and vegans

19/02/2020



GMO Statement

Ceteraryl Alcohol

Prime Surfactants Limited hereby certify that the Cetearyl Alcohol distributed by us is neither composed of nor derived from Genetically Modified Organisms (GMO). They have not been manufactured using either substances that are composed of, or derived from GMO or technical processing aids obtained from GMO's, including Enzymes and Extraction Solvents. The products do not contain Genetically Modified protein nor Genetically Modified DNA.

19/02/2020