Safety data sheet

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

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

· **1.1 Product identifier**

· **Trade name: Cethyl alcohol**
· **Registration number** 01-2119485905-24-0013
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture**
Synthetic intermediate
Coatings
Metalworking fluids/rolling oils
Mining/offshore - Mining chemicals
Process chemical e.g., in Paper and Textiles industries
Personal care
Use in cleaning agents
Other consumer uses (pharmaceuticals and personal care)
Plaster/cement - Use as binders and release agents / Road and construction applications
Plastic/rubber - Polymer processing
Agrochemicals and other industrial uses

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Ecoflores

· ul. Waksmundzka 34, 34-400 Nowy Targ, Poland

· **Further information obtainable from:**
tel. +48 604508229
E-mail: kontakt@ecoflores.eu
· **1.4 Emergency telephone number:**

Emergency telephone number: 112

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008** Not applicable

(Contd. on page 2)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 1)

· **Hazard pictograms** No pictogram
· **Signal word** No signal word
· **Hazard statements** Not applicable
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
The component of mixture has no endocrine -disrupting properties according to Regulation (EU)2017/2100
· **PBT:** The substance is not PBT.
· **vPvB:** The substance is not vPvB.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description** Mixture of substances listed below with nonhazardous additions.

Name	CAS No	EINES No	% by Weight		
			1695	1698	1699
Lauryl Alcohol	112-53-8	203-982-0	1.0 Max	0.5Max	--
Myristyl Alcohol	112-72-1	204-000-3	3.0 Max	1.0 Max	1.0 Max
Cetyl Alcohol	36653- 82-4	253-149-0	95.0 Min	98.00 Min	99.0 Min
Stearyl Alcohol	112-92-5	204-017-6	3.0 max	1.00 Max	1.0 Max

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
First aid personnel should pay attention to their own safety.
.Move out of dangerous area
Do not leave affected persons unattended.
· **After inhalation:**
After inhalation of greater quantities of dust, take affected person to fresh air.
Encourage patient to blow nose to ensure clear passage of breathing.

(Contd. on page 3)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

(Contd. of page 2)

· **After skin contact:**
In case of contact with skin, clean with soap and water.
Generally the product does not irritate the skin.
· **After eye contact:**
Check and remove contact lenses, if present and easy to do.
Eyelids should be held away from the eyeball to ensure thorough rinsing.
Rinse opened eye for several minutes under running water.
· **After swallowing:**
Do not induce vomiting
Clean mouth by gargling with water.
Keep person warm and at rest.
· **Information for doctor:** Treat symptomatically and supportively.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Use an extinguishing medium suitable for the surrounding fire e.g. water, foam, carbon dioxide and dry powder.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
In case of fires, hazardous products are formed: Carbon monoxide (CO), Carbon dioxide (CO2).
· **5.3 Advice for firefighters**
Use standard fire fighting procedures.
If safe to do so, remove containers from path of fire.
Use water delivered as a fine spray to control fire and cool adjacent area.
· **Protective equipment:**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.
· **Additional information**
Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings remove movable containers if safe to do so.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear proptective equipment. Keep unprotected person away.

(Contd. on page 4)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

(Contd. of page 3)

Avoid formation and inhalation of dust and aerosols
Ensure adequate ventilation
Do not eat, drink or smoke when using this product.
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

· **6.2 Environmental precautions:**
Discharge into the environment must be avoided.
If the product contaminates rivers and lakes or sewers inform respective authorities.

· **6.3 Methods and material for containment and cleaning up:** *Pick up mechanically.*

· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Avoid contact with eyes.
Any unavoidable deposit of dust must be regularly removed.
Follow good manufacturing practices for housekeeping and personal hygiene.
Provide appropriate exhaust ventilation at places where dust is formed.
Handle in accordance with good hygiene and safety procedures. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Do not breathe dust, and avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure and wash thoroughly after handling.

· **Information about fire - and explosion protection:**
Normal measures for preventive fire protection.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**
Check all containers are clearly labelled and free from leaks.
Store in cool and dry place.
Keep containers securely sealed

· **Information about storage in one common storage facility:**
Isolate from incompatible material.
keep away from food materials
Keep container closed when not in use. Keep away from heat.

· **Further information about storage conditions:**
Caution when reopening receptacles with broken seal.
Store away from Strong oxidizing agents.
Store in dry conditions.
Store away from Strong acids.

(Contd. on page 5)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

(Contd. of page 4)

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Additional information about design of technical facilities:** No further data; see item 7.
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Good personal hygiene practices should be followed.
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
The usual precautionary measures are to be adhered to when handling chemicals.
· **Respiratory protection:**
No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a
type P2 or P3 filter, in compliance with EN 143.
· **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Material: Nitrile rubber/nitrile latex; Break through time: ≥ 480 min; Material thickness: 0.35 mm
Material: butyl-rubber; Break through time: ≥ 480 min; Material thickness: 0.5 mm
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 5)

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Standard work wear and safety boots for normal handling and use.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
Appearance:	Solid
· **Form:**	White flakes/Pastilles (clear liquid when melted)
· **Colour:**	Colourless
· **Odour:**	Odourless
· **Change in condition**	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
· **Flash point:**	149 °C (according to ASTM-D93.)
· **Flammability (solid, gas):**	Non flammable
· **Ignition temperature:**	250 °C
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Vapour pressure:**	0.001 Pa
· **Density at 20 °C:**	0.889 g/cm³
· **Solubility in / Miscibility with water:**	slightly soluble
· **Partition coefficient: n-octanol/water:**	6.7 log POW
· **Viscosity:**	
Kinematic:	3.394 mm2/s
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

(Contd. on page 7)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 6)

· **10.2 Chemical stability** Stable at ambient temperature and under normal conditions of use.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid**
Avoid contact with incompatible materials.
Avoid formation of dust.
· **10.5 Incompatible materials:** Strong acids and bases , strong oxidizing agents
· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
CAS: 112-72-1 1-Tetradecanol		
Oral	LD50	> 2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD TG 401)
Dermal	LD50	> 5000 mg/kg bw (rat(Sprague-Dawley)male/female) (EPA OPPTS 870.1200)
CAS: 36653-82-4 1-Hexadecanol		
Oral	LD50	> 2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD TG 401)
Dermal	LD50	8000 mg/kg bw (Rabbit (New Zealand White) male/female) (Acute Toxicity: dermal)
Inhalative	LC50(6h)	>700 mg/m3 ait (Rat (Sprague-Dawley)male) (Acute Toxicity: inhalation)
CAS: 112-92-5 octadecan-1-ol		
Oral	LD50	> 2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD TG 401)
CAS: 112-53-8 N-dodecanol		
Oral	LD50	> 2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD TG 401)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation**
Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation**
Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 8)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 7)

· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard**
Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**
·**11.2.1 Endocrine -disrupting properties**:The component of mixture has no endocrine- disruptingproperties according to Regulation (EU) 2017/2100.
· **11.2.2 Information on other hazards** : No further information is available

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
CAS: 112-53-8 N-dodecanol	
EC50(48h	0.765 mg/l (Daphnia magna) (Short-term toxicity to aquatic invertebrates)
LC50(96h)	1.01 mg/l (Pimephales promelas (Fish, fresh water)) (Short-term toxicity to fish)
NOEC(21d)	14 µg/L (Daphnia magna) (Long-term toxicity to aquatic invertebrates)
CAS: 112-72-1 1-Tetradecanol	
EC50(48h)	3.2 mg/L (Daphnia magna) (Short-term toxicity to aquatic invertebrates)
NOEC(96h)	≥ 1 mg/L (Oncorhynchus mykiss) (Short-term toxicity to fish)
CAS: 36653-82-4 1-Hexadecanol	
LC50(96h)	> 0.4 mg/L (Oncorhynchus mykiss) (Short-term toxicity to fish)
NOEC(60d)	> 0.04 mg/L (Oncorhynchus mykiss) (Long-term toxicity to fish)
CAS: 112-92-5 octadecan-1-ol	
LC50(96h)	> 0.4 mg/L (Oncorhynchus mykiss) (Short-term toxicity to fish)
NOEC(60d)	> 0.04 mg/L (Oncorhynchus mykiss) (Long-term toxicity to fish)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** The substance is not PBT.
· **vPvB:** The substance is not vPvB.
·

(Contd. on page 9)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

· **12.6 Endocrine-disrupting properties**:The component of mixture has no endocrine-disrupting properties according to Regulation (EU) 2017/2100.
· **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
a) The product should not get into any kind of water without treatment. Dissolved in water, the material is easily biodegradable (90%) and will not cause any disturbance in wastewater-treatment plants. Due to its low solubility in water, larger amounts need to beeliminated by separators, such as those used for fats and oils.
b) Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations.
c) Larger amounts should be collected as described in section 6 and used for recycling crude raw materials.
· **Recommendation**
Consult state, local or national regulations to ensure proper disposal.
Smaller quantities can be disposed of with household waste.
1) Contact a licensed professional waste disposal service to dispose of this material. Dissolve
or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
2) Can be incinerated, when in compliance with local regulations.
· **Waste disposal key:**
i) Disposal of small amounts of waste material to be done in accordance with federal, state and local environmental regulations.
ii) Larger amounts should be collected as described in section 6 and used for recycling crude raw materials.

· **Uncleaned packaging:**
· **Recommendation:**
Dispose of packaging according to regulations on the disposal of packaging.
01 Waste resulting from exploration, mining, quarrying and physical and chemical treatment of minerals.
03 03 wastes from pulp, paper and cardboard production and processing
04 02 wastes from the textile industry
10 13 wastes from manufacture of cement, lime and plaster and articles and products made from them
19 12 04 plastic and rubber

(Contd. on page 10)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 9)

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, IMDG, IATA**	Not regulated
· **14.2 UN proper shipping name**	Not Regulated
· **ADR, IMDG, IATA**	Not regulated
· **14.3 Transport hazard class(es)**	Not Regulated
· **ADR, ADN, IMDG, IATA**	
· **Class**	Not Regulated
· **14.4 Packing group**	Not Regulated
· **ADR, IMDG, IATA**	Not regulated
· **14.5 Environmental hazards:**	Not applicable.
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Not Regulated

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008** Not applicable
· **Hazard pictograms** No pictogram
· **Signal word** No signal word
· **Hazard statements** Not applicable

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** Substance not listed
· **15.2 Chemical safety assessment:**
Chemical Safety Report not required as the substance is not classified.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 11)

Safety data sheet
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

Printing date 17.12.2022 Version number 1 Revision: 17.12.2022

(Contd. of page 10)

· **Relevant phrases**
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Product safety department.
· **Contact: kontakt@ecoflores.eu**
Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
· **Sources**
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No. 1907/2006

(Contd. on page 12)