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# SAFETY DATA SHEET

## CETYL ALCOHOL NF, C-16, 98%

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Cetyl Alcohol NF, C-16, 98%  
INCI Name: Cetyl Alcohol  
CAS Number: 36653-82-4  
Recommended Use: Initial product for chemical reactions, Plasticizer, Cosmetic auxiliary

Company: Spiral Eyes, LLC  
9602 Highway 19  
#1293  
Phone: 413-522-6162

**Emergency:** Infotrac: 800-535-5053

### 2. HAZARD IDENTIFICATION

#### **Classifications and labeling according to the Globally Harmonized System (GHS)**

The substance is not classified according to this regulation

#### **Classification system**

NFPA      Health            Flammability            Instability/Reactivity     

HMIS®      Health            Flammability            Reactivity     

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name      : 1-Hexadecanol

Common name      : Cetyl Alcohol

CAS number      : 36653-82-4

EC number      : 253-149-0

### 4. FIRST AID MEASURES

General information      : No special measures required

After eye contact      : Rinse opened eyes for several minutes under running water. If symptoms persists, consult a doctor

After skin contact : Generally the product does not irritate the skin. If skin irritation continues, consult a doctor



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- After inhalation : Supply fresh air, consult doctor in case of complaints
- After swallowing : Rinse out mouth and then drink plenty of water. If symptom persists consult the doctor

## 5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents : Small fire
- Use fire extinguishing methods suitable to surrounding conditions: CO<sub>2</sub>, extinguishing powder or water spray
- : Large fire
- Use alcohol resistant foam
- Unsuitable extinguishing agents : Water with full jet
- Protective equipment : Wear suitable protective clothing in dangerous zone
- Additional information : Cool endangered receptacles with water spray

## 6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precaution : Avoid formation of dust
- Measures for environmental protection : No special measures required
- Measures for cleaning/collecting : Pick up mechanically

## 7. HANDLING AND STORAGE

- Safe handling : No special measures required
- Fire and explosion protection : No special measures required

### Storage

- Store room and receptacles : Keep receptacle tightly sealed
- Suitable material : Steel or stainless steel. Use polyolefine lining in receptacles
- Information about storage in one common facility  
Not required
- Maximum temperature : 104 °F (Ecorol 16/98P), 158 °F (Ecorol 16/98)
- Minimum temperature : 122 °F (Ecorol 16/98)



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective and hygienic measures	: The usual precautionary measures are to be adhered to when handling chemicals
Respiratory protection	: Not required
Eye protection	: Safety glasses
Skin protection	: Protective gloves
Body protection	: Protective work clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form at room temperature (25 °C)	: Solid, pastilles
Color	: Colorless, white when solidified
Odor	: Specific type
Change in condition	
Solidification point, °C	: 47–49
Melting point, °C	: 47-51
Boiling point, °C	: 330-333
Flash point, °C	: approx. 149
Vapor pressure at 20 °C, hPa	: < 0.1
Density at 55 °C, g/cm <sup>3</sup>	: approx. 0.81
Viscosity at 55 °C, mPa.s	: approx. 12
Solubility	: Insoluble in water

## 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: Reacts with strong acids and oxidizing agents
Conditions to be avoided	: No decomposition if used according to specification
Hazardous decomposition products	: No dangerous decomposition products known



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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values relevant for classification:		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50	>0.375 mg/l (rat)
	LD50	>0.14 ppm (rat)

Primary irritant effects

On the skin : No irritating effect

On the eye : No irritating effect

Sensitization : No sensitizing effect known

Additional toxicological information : When used and handled according to specifications, the product does not have any harmful effect due to our experience and the information provided to us

## 12. ECOLOGICAL INFORMATION

Aquatic toxicity:

EC50 (static)	>680 mg/l (algea) (OECD 201) >70 mg/l (daphnia) (OECD 202)
LC50 (static)	>0.4 mg/l (fish) (OECD 203)
NOEC (Long term)	>0.98 mg/l (daphnia) (OECD 202)
NOEL (Long term)	>10 mg/l (algea) (OECD 201)

Persistence and degradability : Easily biodegradable

Method : OECD 301B

Analyzing method : CO2-Evolution

Degree of elimination : 82%

Classification : Readily biodegradable

### **Ecotoxic effects:**

Sediment toxicity – LC50 >3800 mg/kg ww (ostracods)

Terrestrial toxicity – LC50 >1500 mg/kg dw (earth worm)

General notes : Generally not hazardous for water



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### 13. DISPOSAL CONSIDERATIONS

- Product Disposal : On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste
- Smaller quantities can be disposed of with household waste
- Contaminated packaging : Disposal must be made according to official regulation

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

*As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in SDS section 3: Composition Information.*

### 14. TRANSPORT INFORMATION

General information : Not hazardous according to RID/ADR, IMDG, ICAO/IATA

### 15. REGULATORY INFORMATION

#### Inventory list

: Listed on:

- TSCA (Toxic Substances Control Act) (US)
- PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- IECSC (Inventory of Existing Chemical Substances in China)
- AICS (Australian Inventory of Chemical Substances)
- ENCS (Existing and New Chemical Substances) (Japan)
- KECI (Korean Existing Chemical Inventory)
- DSL (Canadian Domestic Substances List)
  
- NZIC (New Zealand Inventory of Chemicals)
- ECSI (Existing Chemical Substances Inventory) (Taiwan)

Not listed on:

- Sara Section 355 (extremely hazardous substances) and Section 313 (specific toxic chemical listing)
- Proposition 65
- EPA (Environmental Protection Agency)
- TLV (Threshold Limit Value establish by ACGIH)



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- MAK (German Maximum Workplace Concentration)
- NIOSH-Ca (National Institute for Occupational Safety and Health)
- IARC (International Agency for Research on Cancer)
- NTP (National Toxicology Program)
- OSHA-Ca (Occupational Safety and Health Administration)

### **Classification and labeling according to the Globally Harmonized System (GHS)**

The substance is not classified according to this regulation

### **16. OTHER INFORMATION**

**All statements, technical information and recommendations contained herein are based on tests and data which Spiral Eyes, LLC believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.**