



## Material Safety Data Sheet

### CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

Product Name: Cetyl Alcohol  
CAS#: 33653-82-4  
Distributor: MCKINLEY RESOURCES  
Address: PO Box 810472, Dallas, TX 75381  
Phone Number: 972-620-9730

### COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	Wt/Wt, %	EC#	EC SYMBOL/R-PHRASE
1-Hexadecanol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> OH	36653-82-4	98 – 100	253-149-0	- / -
<u>CONTAINS:</u>					
1-Tetradecanol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> OH	112-72-1	0 – 1	204-000-3	- / -
1-Octadecanol	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> OH	112-92-5	0 – 1	204-017-6	- / -

SYNONYM: Cetyl Alcohol

### HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

No hazardous product as specified in Directive 67/548/EEC.

### PHYSICAL/CHEMICAL CHARACTERISTICS

FORM: White waxy solid  
ODOR: Mild fatty odor  
Ph: Not applicable  
VISCOSITY DYNAMIC (60°C): 6 – 9 mPa.s  
MELTING POINT / MELTING RANGE: 46 – 58°C (115 – 136°F)  
BOILING POINT / BOILING RANGE (at 760 mm Hg): 305 – 335°C (581 – 635°F)  
VAPOR PRESSURE: < 1 mm Hg @ 20°C  
SOLUBILITY IN WATER: Almost insoluble at 25°C (77°F)  
DENSITY: 0.822g/cm<sup>3</sup> @ 70/70°C (158/158°F)  
EXPLOSIVE LIMIT, vol% IN AIR: Not Available

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### FIRST AID MEASURES

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SKIN CONTACT: Wash off with plenty of water. Remove contaminated clothing and shoes.

EYE CONTACT: Rinse with plenty of water for at least 20 minutes with the eyelid held wide open.

INGESTION: Immediately make victim drink plenty of water. Consult doctor if feeling unwell.

INHALATION: Move victim to fresh air.

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### FIRE FIGHTING MEASURES

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SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, foam, powder.

SPECIAL RISKS: Combustible.  
Vapor heavier than air. Forms explosive mixtures with air on intense heating.  
Development of hazardous combustion gases or vapors possible in the event of fire.

FLASH POINT: 155 – 160°C (311 – 320°F) PMCC

AUTO IGNITION TEMPERATURE: 235 – 252°C (455 – 489°F)

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### ACCIDENTAL RELEASE MEASURE

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STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Avoid generation of dusts; do not inhale dusts.  
Take up dry.  
Forward for disposal.  
Clean up affected area.

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### HANDLING AND STORAGE

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HANDLING: Use gloves and wear goggles when handling.  
For bulk handling, ensure all equipment is electrically grounded before beginning of transfer operation.

STORAGE / TRANSPORT PRESSURE: Ambient

LOAD / UNLOAD TEMPERATURE: 60 – 70°C (140 – 158°F)

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### EXPOSURE CONTROL / PERSONAL PROTECTION

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EXPOSURE LIMIT: No exposure limits have been established for this product.

PERSONAL PROTECTIVE EQUIPMENT: Wear protective goggles and/or face shield and rubber gloves.

INDUSTRIAL HYGIENE: Normal standards of industrial hygiene been observed.

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STABILITY AND REACTIVITY

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CONDITIONS TO BE AVOIDED: Strong heating. It decomposes when heated.

HAZARDOUS DECOMPOSITION PRODUCTS: None. Complete combustion forms carbon dioxide and water.

HAZARDOUS REACTIONS: Violent reactions possible with strong acids, strong oxidizing agents.

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DISPOSAL INFORMATION

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Disposal method should be in accordance with local, state, national environment laws and regulations.

Do not let this chemical enter environment.

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TOXICOLOGICAL INFORMATION

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TOXICITY DATA: LD<sub>50</sub> (oral, rat) = > 2000 mg/kg (OECD 401)  
WHO Acute Hazard: Unlikely to present acute hazard in normal use.

LD<sub>50</sub> (dermal, rabbit) = > 2000 mg/kg (OECD 401)

CARCINOGENICITY FOR CAS# 112-72-1: Not listed by IARC Carcinogen, U.S. NTP Carcinogens, CA Prop 65 Known Carcinogens, U.S. EPA Carcinogen, TRI Carcinogen.

CHOLINESTERASE INHIBITOR: No

DEVELOPMENTAL OR REPRODUCTIVE TOXIN: Not listed by CA Prop 65 Development Toxic, U.S. TRI Development Toxic, CA Prop 65 Female Reproductive Toxin, CA 65 Male Reproductive Toxin, U.S. TRI Reproductive Toxin.

ENDOCRINE DISRUPTION: Not listed by Illinois EPA list, Keith list, Colborn list, Benbrook list, EU list.

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ECOLOGICAL INFORMATION

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BIODEGRADATION: > 60% in 28 days (OECD 301D)

BIOLOGICAL EFFECTS: Green algae Toxic Average Species LC<sub>50</sub> = 50 µg/L

AQUATIC TOXICITY: Not expected to show any detectable aquatic toxicity even in saturated solutions because of its extremely low water solubility.

Fathead minnow, Average Species LC<sub>50</sub> = 500,000 µg/L  
Silver salmon, Average Species LC<sub>50</sub> = 10,000 µg/L

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TRANSPORT INFORMATION

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Not classified as hazardous or dangerous good in U.S. DOT, IMDG, ICAO/IATA.

IMO Technical Name, Cat. & Ship Type: Alcohols (C14-C18), Cat. Y, Ship Type 2.

REGULATORY INFORMATION

LABELING ACCORDING TO EC DIRECTIVES:

Not Applicable

LABELING ACCORDING TO GHS:

Not Applicable

US REGULATORY STATUS:

U.S. EPA Registered:

No

TSCA Inventory Listing:

1-Hexadecanol

CAS# 36653-82-4

1-Tetradecanol

CAS# 112-72-1

1-Octadecanol

CAS# 112-92-5

SARA 311/312 Classification

Non hazardous

CERCLA Section 102a/103 (40 CFR 302.4)

Not Listed

SARA Title III Section 302 (40 CFR 355.30)

Not Listed

SARA Title III Section 313 (40 CFR 372.65)

Not Listed

OSHA Classification:

Non hazardous

CANADA REGULATORY STATUS:

Workplace Hazardous Materials Information System (WHMIS)

This material is not a controlled product as defined by WHMIS Classification.

Canadian Domestic Substance List (DSL) Inventory Listing

Yes