

**Material Safety Data Sheet****CETYL ALCOHOL****Section 1 - Product Identification**

Product Name : Cetyl Alcohol

Company Identification : Tradeasia International Pte. Limited

Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore

Tel: +65-6227 6365

Fax: +65-6225 6286

Email: contact@chemtradeasia.com

**Section 2 – Composition / Information on ingredients**

CAS Number	36653-82-4
Synonym	1-Hexadecanol, Palmityl alcohol
Formula	C16H34O

**Section 3 – Hazard Identification**

OSHA Hazards: Irritant

**HMIS Classification**

Health Hazard: 2

Flammability: 1

Physical Hazards: 0

**NFPA Rating**

Health Hazard: 2

Fire: 1

Reactivity Hazard: 0

**Potential Health Effects**

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation

Ingestion: May be harmful if swallowed.

**Section 4 – First-Aid Measures**

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## Section 5 – Fire Fighting Measures

### Flammable Properties

Flash Point: 113 °C (235 °F) - closed cup

Ignition Temperature: 251 °C (484 °F)

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus for fire-fighting if necessary.

## Section 6 – Accidental Release Measures

### Personal Precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

### Environmental precautions:

Do not let product enter drains.

### Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Section 7 – Handling & Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage	Keep container tightly closed in a dry and well-ventilated place.

## Section 8 – Exposure Controls/Personal Protection (later)

Contains no substances with occupational exposure limit values.

### Personal protective equipment

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves.

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 – Physical and Chemical Properties

### Appearance

Form: solid

### Safety data

pH: no data available

Melting point: 48 - 50 °C (118 - 122 °F)

Boiling point: 179 - 181 °C (354 - 358 °F) at 13 hPa (10 mmHg)

Flash point: 113 °C (235 °F) - closed cup Ignition temperature: 251 °C (484 °F) Lower explosion limit: 1 %(V)

Upper explosion limit: 8 %(V)

Vapor pressure: < 0.01 hPa (< 0.01 mmHg) at 43 °C (109 °F)

Density: 0.818 g/mL at 25 °C (77 °F) Water solubility: no data available Relative vapor density: 8.37 - (Air = 1.0)

Water solubility: no data available

Relative vapor density: 8.37 - (Air = 1.0)

## Section 10 – Stability and Reactivity

**Storage Stability:** Stable under recommended storage conditions.

**Materials to avoid:** Strong oxidizing agents, Strong acids

**Hazardous Decomposition Products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides.

## Section 11 – Toxicological Information

### Acute toxicity:

LD50 Oral - rat - 5,000 mg/kg

Remarks: Cardiac: Other changes. Lungs, Thorax, or Respiration: Other changes.

LD50 Dermal - rabbit > 2,600 mg/kg

### Irritation and corrosion:

Skin - guinea pig - Skin irritation - 24 h

Eyes - rabbit - Mild eye irritation

**Sensitisation:** no data available

**Chronic exposure:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

**Additional Information:** P.TECS: MM0225000.

## Section 12 – Ecological Information

### Elimination information (persistence and degradability):

Bioaccumulation *Leuciscus idus melanotus* - 3 d

Bioconcentration factor (BCF): 1,230

**Ecotoxicity effects:** no data available

**Further information on ecology:** no data available

## Section 13 – Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 – Transport Information

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

## Section 15 – Regulatory Information

OSHA Hazards: Irritant

DSL Status: All components of this product are on the Canadian DSL list.

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by

SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

Hexadecan-1-ol

CAS-No. 36653-82-4

New Jersey Right To Know Components:

Hexadecan-1-ol

CAS-No. 36653-82-4

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

#### Section 16 : Additional Information

##### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.