

MATERIAL SAFETY DATA SHEET

CETOSTEARYL ALCOHOL Extra Pure



Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name : CETOSTEARYL ALCOHOL
CAS# : 67762-27-0 / 8005-44-5
Synonym : Cetearyl Alcohol
Chemical Name : Not Applicable.
Chemical Formula : $C_{18}H_{38}OC_{16}H_{34}O$.
Molecular Weight : 512.95 g/mol
Company identification: ASES CHEMICAL WORKS
Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
Ph: +91-9636889954, Email : ecom@ases.in Website :www.ases.in

Section 2: Composition and Information on Ingredients

Name	CAS #	% by Weight	Hazardous
Stearyl alcohol	112-92-5	40-55%	Yes
Cetyl alcohol	36653-82-4	40-55%	Yes
Myristic alcohol	112-72-1	0-3%	Yes

Section 3: Hazards Identification

Potential Acute Health Effects:

Slightly hazardous in case of skin contact , of eye contact , of ingestion, of inhalation

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact, of eye contact, of ingestion, of inhalation.

CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY : Not available.

The substance is toxic to mucous membranes.

Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: The lowest known value is 254°C (489.2°F) (Myristic alcohol).

Flash Points: The lowest known value is CLOSED CUP: 110°C (230°F). (Myristic alcohol)

Flammable Limits: The greatest known range is LOWER: 1% UPPER: 8% (Stearyl alcohol)

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Non-flammable in presence of moisture.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Material supports combustion. (Myristic alcohol)

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state & appearance	: Solid.	Vapor Pressure	: Not available.
Odor	: Not available.	Weighted average	: 8.91 (Air = 1)
Color	: Not available.	Volatility	: Not available.
pH (1% soln/water)	: Not available.	Odor Threshold	: Not available.
Boiling Point	: Not available.	Ionicity (in Water)	: Not available.
Melting Point	: 48°C (118.4°F) – 52°C	Specific Gravity	: w/a: 0.82 (Water = 1)
Solubility : Easily soluble in diethyl ether. Soluble in acetone. Partially soluble in methanol. Very slightly soluble in n-octanol. Insoluble in cold water, hot water			
Vapor Density	: The highest known value is 9.5 (Air = 1) (Stearyl alcohol).		
Critical Temperature	: The lowest known value is 487.85°C (910.1°F) (Cetyl alcohol).		
Water/Oil Dist. Coeff.	: The product is more soluble in oil.		
Dispersion Properties	: Is not dispersed in cold water, hot water, methanol, diethyl ether, noctanol. See solubility in methanol, diethyl ether, acetone.		

Section 10: Stability and Reactivity Data

Stability	: The product is stable.
Instability Temperature	: Not available.
Conditions of Instability	: Excess heat, incompatible materials.
Incompatibility with various substances:	
Reactive with oxidizing agents, acids. Non-reactive with moisture	
Corrosivity	: Not considered to be corrosive for metals and glass.
Special Remarks on Reactivity	: Not available.
Special Remarks on Corrosivity	: Not available.
Polymerization	: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact.

Toxicity to Animals:

Acute oral toxicity (LD50)	: 3200 mg/kg [Mouse]. (Cetyl alcohol).
Acute dermal toxicity (LD50)	: >2600 mg/kg [Rabbit]. (Cetyl alcohol).

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Chronic Effects on Humans:

Tumorigenic effects based on animal data. No human available.

Unable to locate references on possible reproductive or lactation effects of this agent. (Stearyl alcohol)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild skin irritation. Eyes: Causes mild eye irritation.

Inhalation: May cause respiratory tract irritation. Ingestion: May cause digestive tract information. No other information found. (Stearyl alcohol)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation:

The product itself and its products of degradation are not toxic.

Section 13: Disposal Considerations

Waste Disposal :

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

Land/Sea/Air transpor General information : Not regulated.

Section 15: Other Regulatory Information

Federal and State Regulations: No products were found.

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

HMIS (U.S.A.):

Health Hazard: 1 Reactivity: 0

Fire Hazard: 1 Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0 Reactivity: 0

Flammability: 1 Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16 - Additional Information

Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.