

1. Product and Company Identification

Material name	CETYL ALCOHOL
Revision date	16-01-2017
Chemical class	CETYL ALCOHOL
CAS	36653-82-4
Manufacturer	Padideh Shimi Gharb Co. No.5.21rd St, Vozara St, Argentina Sq, Tehran, Iran +98-21-43413000

2. Hazards Identification

Emergency overview	Moderately irritating to the eyes. Moderate skin irritation May cause irritation of respiratory tract.
Potential health effects	
Eyes	Moderately irritating to the eyes.
Skin	Moderate skin irritation.
Inhalation	Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

3. Composition / Information on Ingredients

Components	Percent
Name	Product Identifier
1-Hexadecanol	(CAS No) 36653-82-4
	% (w/w)
	> 95
	Classification (GHS-US)
	Not classified

4. First Aid Measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. If burned by hot product, cool affected area immediately with cool water. Do not attempt to remove solidified material from skin. Seek medical attention immediately.
Inhalation	When symptoms occur: go into open air and ventilate suspected area
Skin contact	Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists.
Eye Contact	: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists. Rinse mouth. Do NOT induce vomiting.



Material Safety Data Sheet

FR-QC-14/Rev 00

Ingestion

General:

Immediate Med

During processing, inhalation of fumes may cause dizziness and/or irritation to the eyes, nose, and throat. Hot molten product will cause thermal burns to the skin

Inhalation

May cause respiratory irritation. Skin Contact: Slightly irritating to the skin.

Eye Contact

Slightly irritating to eyes. Ingestion

Ingestion

Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms

None known. Indication of Any

5. Fire Fighting Measures

Suitable Extinguishing Media

Water spray, carbon dioxide, foam, dry chemical

Unsuitable Extinguishing Media

Use of heavy stream of water may spread fire

Special Hazards Arising From the Substance or Mixture

Fire Hazard

Not considered flammable but will burn at high temperatures

Explosion Hazard:

Dust clouds can be explosive

Reactivity

Hazardous reactions will not occur under normal conditions

Advice for Firefighters

Firefighting Instructions

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers

Protection During Firefighting

Do not enter fire area without proper protective equipment, including respiratory protection

Hazardous Combustion Products

Carbon oxides (CO, CO₂). aldehydes, ketones

Reference to Other Sections

Refer to section 9 for flammability properties.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures

Avoid breathing (vapor, mist, spray). Avoid all unnecessary exposure

For Non-Emergency Personnel

Protective Equipment

Use appropriate personal protection equipment

(PPE)

Emergency Procedures

Evacuate unnecessary personnel

For Emergency Personnel

Protective Equipment

Equip cleanup crew with proper protection.

Emergency Procedures

Eliminate ignition sources. Ventilate area

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and
Cleaning Up

For Containment

Methods for Cleaning Up

 Absorb and/or contain spill with inert material
 Clean up spills immediately and dispose of waste
 safely. Carefully shovel or sweep up spilled
 material and place in suitable container. Avoid
 generation of dust during clean-up of spills.

Reference to Other Sections

 See Section 8, Exposure Controls and Personal
 Protection. Concerning disposal elimination after
 cleaning, see section 13.

7. Handling and Storage

Precautions for Safe Handling

 Avoid contact with skin, eyes and clothing. Keep away
 from heat, sparks, open flames, hot surfaces. No
 smoking. Use care during processing to minimize
 generation of dust

Additional Hazards When Processed

Hygiene Measures

 Handle in accordance with good industrial hygiene and
 safety procedures. Wash hands and other exposed
 areas with mild soap and water before eating, drinking,
 or smoking and again when leaving work

Conditions for Safe Storage, Including Any
Incompatibilities

Technical Measures

 Good housekeeping is needed during storage, transfer,
 handling, and use of this material to avoid excessive
 dust accumulation

Storage Conditions

 Keep container closed when not in use. Keep only in
 the original container in a cool, well ventilated place
 away from ignition sources

Incompatible Materials

Strong oxidizers.

8. Exposure Controls / Personal Protection

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Appropriate Engineering Controls: Provide adequate general and local exhaust ventilation. . Prevent dust accumulation (to minimize explosion hazard). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

Protective goggles Gloves. Protective clothing

Materials for Protective Clothing

Chemically resistant materials and fabrics

Hand Protection

Wear chemically resistant protective gloves

Eye Protection

Chemical goggles or safety glasses

Skin and Body Protection

Wash contaminated clothing before reuse

Respiratory Protection

Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits

Other Information

When using, do not eat, drink or smoke

9. Physical & Chemical Properties

APPEARANCE	SOLID
COLOUR,APHA	10MAX
MOISTURE%	0.1MAX
ACID VALUE ,mg KOH/g	0.1MAX
CARBONYL VALUE , PPM	70MAX
SAPONIFICATION VALUE, mg KOH/g	0.5MA
IODINE VALUE gl2/100g	0.1MAX
MELTING POINT	47-50
FLASH PONIT	160C
BOILING PONIT	248 C



Material Safety Data Sheet

FR-QC-14/Rev 00

HYDROXYL VALUE , mg KOH/g
HYDROCARBON

220-235
0.4MAX

10.Stability & Reactivity

Reactivity	Hazardous reactions will not occur under normal conditions
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid creating or spreading dust. Extremely high or low temperatures
Incompatible Materials	Strong oxidizers
Hazardous Decomposition Products	Thermal decomposition generates: Carbon oxides (CO, CO ₂), aldehydes, ketones, soot

11.Toxicological Information

Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause respiratory irritation
Symptoms/Injuries After Skin Contact: Slightly irritating to the skin.
Symptoms/Injuries After Eye Contact: Slightly irritating to eyes.

12. Ecological Information

Toxicity

Not classified

13. Disposal Considerations

Additional Information: Container remains hazardous when empty. Continue to observe all precautions. Ecology – Waste Materials: Avoid release to the environment.

14. Transport Information

In Accordance with DOT Not regulated for transport In Accordance with IMDG Not regulated for transport In Accordance with IATA Not regulated for transport In Accordance with TDG Not regulated for transport

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. Other Information

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0
Personal protection: X

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

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Material Safety Data Sheet

FR-QC-14/Rev 00

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