

Updated - January 2016

## SAFETY DATA SHEET

---

### 1. PRODUCT & COMPANY IDENTIFICATION

---

Supplier Name : **Charkit Chemical Company, LLC.**  
**32 Haviland Street**  
**South Norwalk, CT 06854, USA**

Product Name : **CETYL ALCOHOL**  
CAS Number : **36653 - 82 - 4**  
EINECS Number : **253 -149 - 0**

**Relevant identified uses of the substance or mixture and uses advised against :**

**Application of the substance / the preparation :** Chemicals for synthesis

**For Chemical Emergencies: Chemtrec: 1-800-424-9300 (USA), 1-703-527-3887 (Intl)**

---

### 2. HAZARDS IDENTIFICATION

---

**Classification of the substance or mixture :**

The substance is not classified according to the Globally Harmonised System (GHS)

**Label elements :**

**GHS label elements :** Void

**Hazard pictograms :** Void

**Signal word :** Void

**Hazard pictograms :** Void

**Other hazards**

**Results of PBT and vPvB assessment**

PBT : Not applicable.

VPvB : Not applicable.

---

### 3. COMPOSITION /INFORMATION ON INGREDIENTS

---

**Chemical characterization :** Substance

**CAS No. Description :** 36653-82-4 hexadecan-1-ol

**Identification number(s)**

**EC number:** 253-149-0

**Additional information :**

The product is not classified as hazardous to health or environment according to the CLP regulation.

---

### 4. FIRST AID MEASURES

---

**Description of first aid measures :**

**General information:** Immediately remove any clothing soiled by the product .

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact :** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

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

**After swallowing:** Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately. Call a doctor immediately.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed :**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed :**

No further relevant information available.

---

## 5. FIRE FIGHTING MEASURES

---

**Extinguishing Media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture:** Under certain fire conditions, traces of other toxic gasses cannot be excluded

**Advice for firefighters:** Avoid breathing dust / fumes/gas/mist/vapours/spray.

**Protective equipment:**

Do not inhale explosion gasses or combustion gases.

Wear self contained respiratory protective device.

Wear fully protective suit.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions, protective equipment and emergency procedures :**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away .

**Environmental precautions:** Do not allow product to reach sewage system or any water course.

**Methods and material for containment and cleaning up:**

Pick up mechanically. Dispose contaminated material as waste according to item 13

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

---

## 7. HANDLING & STORAGE

---

**Handling:**

**Precautions for safe handling:**

Keep away from heat and direct sunlight.

Open and handle receptacle with care.

Store in cool, dry place in tightly closed receptacles.

**Information about fire - and explosion protection:**

Keep respiratory protective device available.

Keep ignition sources away - Do not smoke

## Conditions for safe storage, including any incompatibilities

### Storage:

**Requirements to be met by storerooms and receptacles** : Store only in the original receptacle.

**Information about storage in one common storage facility** : Store away from oxidizing agents.

### Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

**Specific end use(s)** No further relevant information available

---

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

---

**Additional information about design of technical facilities:** No further data; see item 7.

### Control parameters:

**Ingredients with limit values that require monitoring at the workplace:** Not required

### Exposure controls:

#### Personal protective equipment:

#### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals .

**Respiratory protection:** use suitable respiratory protective device only when aerosol or mist is formed.

#### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

#### Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:

Safety glasses  
Goggles recommended during refilling.

---

## 9. PHYSICAL & CHEMICAL PROPERTIES

---

### Information on basic physical and chemical properties :

#### General Information

##### Appearance:

Form : solid  
Colour : Light Yellow  
Odour : characteristics

**Odour threshold:** Not determined

**PH-value** : not applicable

##### Change in condition:

**Melting point/Melting range** : ca. 47-50 °C

**Boiling point/Boiling range** : ca. 305-335°C (at 760 mmHg)

**Flash point** : ca. 155-160 °C (cleveland closed cup )

**Flammability (solid, gaseous)** : Product not flammable

##### Ignition temperature :

**Decomposition temperature:** Not determined

**Self-igniting** : Not determined

**Danger of explosion:** Product does not present an explosion hazard

**Explosion limits:**

**Lower:** Not determined

**Upper:** Not determined

**Vapour pressure at 22°C** : <1 mmHg

**Density** : Not determined

**Relative density at 70°C** : ca. 0,822

**Vapour density** : Not applicable

**Evaporation rate** : Not applicable

**Solubility in / Miscibility with water:** Insoluble

**Segregation coefficient (n-octanol/water)** : Not determined

**Viscosity:**

**Dynamic at 60°C** : Ca. 6-9 mPas

**Kinematic** : Not applicable.

**Other information:** No further relevant information available.

---

## 10. STABILITY & REACTIVITY

---

**Reactivity**

**Chemical stability:** Stable at environment temperature.

**Thermal decomposition / conditions to be avoided:**

No decomposition if used & stored according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** See Section 7 for information on safe handling.

**Incompatible materials:** See Section 7 for information on safe handling.

**Hazardous decomposition products:** Irritant gases/vapours. carbon monoxide and carbon dioxide

---

## 11. TOXICOLOGICAL INFORMATION

---

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

**36653-82-4 hexadecan -1-ol**

Oral	LD50	>5000 mg/kg bw (rat)
Dermal	LD50	>5000 mg/kg bw (rabbit)
Inhalative	LD50/4 h	9,6 mg/l(rat)

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known

**CMR effects (carcinogenicity , mutagenicity and toxicity for reproduction )**

Mutagenicity : Negative

Carcinogenicity : No further relevant information available .

Toxicity for reproduction : No Further relevant information available .

---

## 12. ECOLOGICAL INFORMATION

---

**TOXICITY**

**Aquatic toxicity:**

**36653-82-4 hexadecan-1-ol**

**EC50 (96) 676 mg/L (algae)**

**Persistence and degradability** Easily biodegradable

**Behaviour in environmental systems:****Bioaccumulative potential:** Does not accumulate in organisms**Mobility in soil:** No further relevant information available.**Additional ecological information:****General notes:** Generally not hazardous for water .**Results of PBT and vPvB assessment****PBT** : Not applicable.**VPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

---

**13.DISPOSAL CONSIDERATION**

---

**Waste treatment methods****Recommendation:** Must be specially treated adhering to official regulations.**Uncleaned packaging:****Recommendation:** packaging that may not be cleansed are to be disposed of in the same manner as the product

---

**14. TRANSPORT INFORMATION**

---

**UN-Number****DOT, ADR, ADN, IMDG, IATA**                      Void**UN Proper shipping name****DOT, ADR, ADN, IMDG, IATA**                      Void**Transport hazard class(es)****DOT, ADR, ADN, IMDG, IATA**                      Void**Packing group****DOT, ADR, IMDG, IATA**                      Void**Environmental hazards****Marine pollutant**                                      No**Special precautions for user**

Not applicable

**Transport in bulk according to Annex II of MARPOL****73/78 and the IBC code**                              product name:Alcohols (C14-18)  
Pollution Category: Y  
Ship type: 2

---

**15. REGULATORY INFORMATION**

---

**Safety, health and environmental regulations /legislation specific for the substance or mixture****GHS Label elements**                                      **void****Hazard Pictograms**                                      **void****Signal word**    **void****Hazard statements**    **void****National regulations:****Other regulations, limitations and prohibitive regulations**

Positive Country Substance Listing:

USA (TSCA) ,Canada(DSL) , Europe (EINECS), Japan (ENCS) , Australia (AICS) , Korea (ECL) , China (IECSC) , Philippines (PICCS) , New Zealand (NZIOC)

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out .

---

## 16. OTHER INFORMATION

---

The information and recommendations contained in this Data Sheet are believed to be accurate & represent the best information currently available to us. No warranty, guarantee or representation is made by us to the absolute correctness or sufficiency of the information & recommendations in this Data Sheet; nor can it be assumed that all possible safety measures are contained in this Data Sheet or other measures may not be required under varying circumstances.

S10184

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.