

**SECTION 1 – CHEMICAL PRODUCT AND MANUFACTURER IDENTIFICATION**

Manufacturer's Name:	Chemtrec Emergency Telephone No.: 800-424-9300
JEEN International Corp.	Chemtrec International Telephone No.: 703-527-3887
24 Madison Road	(Collect Calls Accepted)
Fairfield, NJ 07004	
Tel.# 973-439-1401	LATEST REVISION: 1/17/12
TRADE NAMES:	<b>CETYL ALCOHOL NF</b>
CHEMICAL IDENTITY:	C <sub>18</sub> FATTY ALCOHOL (1-HEXADECANOL)
CAS #:	36653-82-4

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

Substance/ Preparation (mixture):	Substance	Weight %
	<u>CAS Number</u>	
Hexadecanol	36653-82-4	96
Octadecanol	112-92-5	<=3
1-Tetradecanol	112-72-1	<=3

See section 8 for exposure guidelines and section 15 for regulatory classifications

**SECTION 3 – HAZARDOUS IDENTIFICATION**

**Emergency Overview**

Appearance: White solid  
 Odor: Sweet  
 Precautions: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Provide adequate ventilation.  
 Environmental Precautions: Do not flush into surface water or sanitary sewer system. Aquatic Toxicity is unlikely due to low solubility. Readily biodegradable.

**Potential Health Effects**

Eyes: Irritating to eyes.  
 Skin: Prolonged skin contact may cause skin irritation and or dermatitis. High standards of skin care and personal hygiene should be exercised at all times.  
 Inhalation: Irritation of the nose and throat, dizziness and headache.  
 Ingestion: Prolonged exposure may lead to changes in liver function.

**SECTION 4 – FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.  
**SKIN:** Remove contaminated clothing. Wash skin with soap and plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.  
**INHALATION:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician.  
**INGESTION:** If swallowed, call poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flammable Properties**  
 Flash point: 149 C ASTM D 93 300 F  
 Auto ignition: 252 C 485 F  
 Flammable Limits in Air % by Volume: Lower Explosion limit: approximately 0.5% (V)  
 Upper Explosion limit: approximately 5.0% (V)  
**Fire and explosion:** NFPA Class IIIB combustible liquid  
**Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Firefighting instructions:** Wear self-contained breathing apparatus and protective suit. Keep containers and surrounding cool with water spray.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill or Leak:** Evacuate personnel to safe areas. Remove all sources of ignition. Contain Spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (section 13). Do not flush into surface water or sanitary sewer system.

**Spill Precautions:** Material can create slippery conditions.

**SECTION 7 – HANDLING AND STORAGE**

**Safe handling advice:** Ensure all equipment is electrically grounded before beginning transfer operations.

**Storage/ Transport Pressure:** Ambient

**Load/ Unload Temp:** 60-71 C  
140-160 F

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eyes:** Chemical resistant goggles must be worn. Face shield.

**Skin:** Wear suitable protective clothing, gloves and eye/face protection.

**Inhalation:** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

**Exposure Guidelines**

**Components Exposure Limits:**  
 Contains no substances with occupational exposure limits values.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid, flake or powder

**Appearance:** White

**Odor:** Sweet

**Form:** Flakes

**Boiling point/Boiling range:** 330 – 333 C 626-631 F

**Vapor Pressure:** 0.4332 mm Hg @ 126.85 C

**Vapor Density:** 8.3

**Solubility:** Insoluble

**Viscosity:** 18 cSt @ 49 C

**Melting Point:** 45-50 C 113-122 F

**Density:** 0.82 g/cm<sup>3</sup> @ 49.5 C

**SECTION 10 – STABILITY AND REACTIVITY**

**Condition to Avoid:** Keep away from heat and sources of ignition

**Materials to Avoid:** Can react with strong oxidizers, inorganic acids and halogens.

**Hazardous Decomposition:** None

**Hazardous Polymerization:** None

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Eyes:** Not data available

**Skin:** Moderately irritating  
 Acute dermal (rabbit): 2,600 mg/kg all rabbits survived at indicated dose.



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Inhalation (rat): > 3.2 mg/l exposed for 8 hours/day for 10 days showed only hyperactivity. All rats survived at indicated concentration.

Ingestion: Acute Oral LD50 (rat):> 8,000 mg/kg Beagle dogs fed up to 3.0% Cetyl Alcohol in the diet for 13 weeks exhibited not observed effect other than elevated liver enzyme (transaminase) levels.

Carcinogenicity Contains no ingredient listed as a carcinogen.

#### SECTION 12 – ECOLOGICAL INFORMATION

Aquatic toxicity: Aquatic toxicity is unlikely due to low solubility.  
1-Hexadecanol produces no observable toxic effects on fathead minnows at concentrations as high as 500 ppm. The LC50 of 1-Hexadecanol would be expected to be greater than its water soluble fraction.

Biodegradation Readily biodegradable.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Code: Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous. Please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

Disposal Methods: Dispose of only in accordance with local, state, and federal regulations.

Empty Container: Empty Containers retain product residue (liquid and or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARK, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, TRIPLE RINSED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED.

#### SECTION 14 – TRANSPORT INFORMATION

Not regulated

#### SECTION 15 – REGULATORY INFORMATION

##### U.S. FEDERAL REGULATIONS

OSHA HAZARDS None hazardous substances

##### SARA 302 STATUS

Contains no chemical subject to SARA 302 Reporting

##### SARA 311/312 Classification

Non-hazardous substance

##### SARA 311 CHEMICAL

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

##### CERCLA HAZARDOUS SUBSTANCE

None

##### INTERNATIONAL REGULATIONS:

##### Workplace Hazardous Materials Information System (WHMIS) Classification

WHMIS hazardous compositions: No ingredients are hazardous according to the CPR criteria.

##### European Union:

The product does not need to be labeled in accordance with EC directives

##### AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) LISTING

Listed

##### JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) INVENTORY LISTING

Listed

##### CANADIAN DOMESTIC SUBSTANCES LIST (DSL) INVENTORY LISTING

Listed



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**CANADIAN NON-DOMESTIC SUBSTANCE LISTING (NDSL)**

Not listed

**EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) LISTING**

Listed

**PHILIPPINES INVENTORY LIST (PICCS)**

Listed

**KOREAN INVENTORY LIST**

Listed

**CHINA INVENTORY LIST**

Listed

**STATE REGULATIONS**

CALIFORNIA PROP. 65

COMPONENTS: NONE

SECTION 16 Other Information

	HEALTH	FLAMMABILITY	REACTIVITY
HMIS	1	1	0
NFPA	1	1	0

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