

**STARTEX 1696**

**Revised:** 4/8/21

## 1 IDENTIFICATION

**Product Name:** STARTEX 1696

**Product Code :**2800131

**Recommended use of the chemical and restrictions on use:**Industrial applications

### Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

**Telephone:** 203-756-5521

**Fax number:** 203-756-9017

Emergency Phone Number

**CHEMTREC:** 1 (800) 424-9300

**International:** 1 (703) 527-3887

## 2 HAZARDS IDENTIFICATION



**Signal Word:** DANGER

**Hazard Category:** Acute Toxicity-Oral Hazard Category 4

Skin Corrosion/Irritation Hazard Category 1A

Corrosive to Metals Hazard Category 1

Eye Damage/Irritation Hazard Category 1

Acute Aquatic Toxicity-Category 3

**Hazard Statements:** Harmful if swallowed.

Causes severe skin burns and eye damage.

May be corrosive to metals.

Harmful to aquatic life

**Prevention:** Do not eat, drink, or smoke when using this product.

Wash skin thoroughly after handling.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Do not breath dusts or mists.

Keep only in original container.

Avoid releases to the environment

**Response:** If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing Rinse skin with water/shower .

Wash contaminated clothing before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Specific treatment - refer to poison center or doctor for advice.

Absorb spillage to prevent material damage .

If inhaled: Remove person to fresh air and keep comfortable for breathing.

**Storage:** Store locked up.

Store in corrosive resistant high density polyethylene container.

**Disposal:** Dispose of contents/container in accordance with local, regional, national, or international regulations.

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Triethanolamine	Trolamine	102-71-6	30-40%
Tetrasodium ethylenediaminetetraacetate	EDTA	64-02-8	20-30%
Sodium Hydroxide	-	1310-73-2	~1%

### 4 FIRST AID

#### After Skin Contact:

If on skin immediately wash with plenty of water. Get medical attention.

#### After Eye Contact:

Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately.

#### After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

### Most Important Symptoms/Effects

#### Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

#### Eye:

Severe eye and or skin irritation or burns.

#### Delayed:

Severe eye and or skin irritation or burns.

#### Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

### 5 FIRE FIGHTING MEASURES

#### Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

**Specific hazards arising from the chemical:**

Heat and fire may result in the release of corrosive fumes.

**Special protective equipment and precautions for firefighter**

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, & Emergency Proc**

Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

**Methods and Materials for containment & cleaning up:**

Stop leak if possible without risk.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

**7 HANDLING AND STORAGE**

**Precautions for safe handling:**

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Do not get in eyes, or on skin, or on clothing.

Eating, drinking and smoking in the work area is prohibited.

Use ventilation sufficient to keep personal exposure below the OSHA Permissible Exposure Limits (PEL) and or the ACGIH Threshold Limit Value (TLV) Time Weighted Average (TWA) exposure limits.

Wash hands thoroughly after handling.

Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Speed of removing product from skin is of primary importance. Once in contact, wash off with water immediately.

**Conditions for safe storage, inc any incompatibilities:**

Keep container tightly closed.

Store in cool dry place.

Store locked up.

Store away from incompatible materials. ( See section 10).

Store in corrosive resistant container.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Hydroxide	ACGIH	2 mg/m3	
Triethanolamine	ACGIH	5 mg/m3	
Tetrasodium ethylenediaminetetraacetate	Not established		

ACGIH - American Control of Governmental Hygenists  
 OSHA - Occupational Safety and Health Administration

**Respiratory Protection:**

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Not required if proper ventilation controls are employed.

**Special:** N/A

**Other Protective Equipment:** Rubber aprons, safety shoes and similar protective clothing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear colorless liquid

**Odor:** No odor

**PH:** 12

**Melting Point/Freezing Point:** N/A

**Initial Boiling Point and Boiling Range:** N/A

**Flash Point:** None

**Evaporation Rate:** N/A

**Flammability (solid, gas):** Non flammable

**Upper/Lower flammability or explosive limits:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** Unknown

**Relative Density:** 1.23

**Solubility (ies):** Complete in water

**Auto-ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

## 10 STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Conditions to Avoid:** Contact with incompatible materials

**Hazardous Decomposition Products:** not known

## 11 TOXICOLOGICAL INFORMATION

**Oral Administration:** Caustic 50% solution: LD50, Rat-300-500 mg/kg

**Oral Administration:** Triethanolamine-LD50(Rabbit)-5000 mg/kg

**Oral Administration:** Tetrasodium Ethylenediaminetetraacetate-LD50(Rat)-1000-2000 mg/kg

**Dermal administration:** Caustic 50% solution-LD50 Rabbit->2 g/kg

**Dermal administration:** Triethanolamine-LD50(Rabbit)->2000 mg/kg

**Irritation:** May cause irritation to skin and eyes.

**Delayed effects:** Irritation / burns of skin and eyes.

**Cancer Hazard:** Not known

**Routes of Exposure** Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

**Daphnia Magna,** Potash-EC50:60 mg/L 48 h

**Daphnia Magna,** Ethylene glycol monophenyl ether EC50->500 mg/L 48 hr

**Abiotic degradability:** No data available

**Biotic degradability:** No data available

**Bioaccumulation potential:** No data available

**Water result:** Pronounced solubility and mobility

**Soil/Sediment Result:** Pronounced solubility and mobility  
**Other adverse effects(such as hazardous to the ozone layer):** Not known

### 13 DISPOSAL CONSIDERATION

*Dispose of in accordance with local, state and federal regulations.*

### 14 TRANSPORT INFORMATION

**UN Number:** 1760  
**UN Proper Shipping Name:** CORROSIVE LIQUIDS,NOS(AMINES,SODIUM HYDROXIDE)  
**Transport Hazard Class (es):** 8  
**Packing Group:** III  
**ERG:** 154  
**Marine Pollutant(Y/N):** N/A

### 15 REGULATORY INFORMATION

**HMIS: Health: 2 Flammability: 1 Reactivity: 0**

**Cercla** Sodium Hydroxide-RQ=1000 lbs  
S49 Keep only in the original container.  
**Proposition 65** No Proposition 65 listed components in this formula  
**TSCA Inventory Status** All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

### 16 OTHER INFORMATION

**REACH status** No RoHS or REACH SVHC are contained in this product.  
**Disclaimer:** The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.  
**Date Prepared:** 8/21/14