

# MATERIAL SAFETY DATA SHEET



Date Issued: 12/13/2007  
MSDS No: ZINCATE  
Revision No: New MSDS

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** ZINCATE

### MANUFACTURER

CASWELL INC.  
7696 ROUTE 31  
LYONS NY 14489

**Emergency Contact:** 8004249300  
**Product Stewardship:** 3159461213  
**Transportation:** 8004249300  
**Service Number:** 3159461213

CASWELL INC.  
7696 ROUTE 31  
LYONS NY 14489  
USA

**Emergency Contact:** CHEMTREC  
**Emergency Phone:** +1 703 527 3887  
**Service Number:** +1 315 946 1213  
**Transportation Number:** +1 703 527 3887

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC: 1 800 424 9300**  
**CHEMTREC INTERNATIONAL: 703 527 3887**

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Yellow odorless aqueous solution

**IMMEDIATE CONCERNS:** Corrosive. Will cause eye burns and permanent tissue damage.

### POTENTIAL HEALTH EFFECTS

#### EYES:

CONTACT CAN CAUSE SEVERE DAMAGE INCLUDING BURNS AND BLINDNESS.

**SKIN:** Contact causes severe skin irritation and possible burns.

**INGESTION:** Can burn mouth, throat and stomach.

**INHALATION:** INHALATION OF VAPOR, MIST OR LIQUID MAY CAUSE SEVERE BURNS OF THE NASAL SEPTUM AND RESPIRATORY TRACT. MAY CAUSE KIDNEY AND LIVER DAMAGE.

**ROUTES OF ENTRY:** Ingestion. Inhalation. Skin Contact. Eyes.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** CAUTION! MAY CAUSE IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT SWALLOW. WASH HANDS THOROUGHLY AFTER HANDLING.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Sodium Hydroxide	65	001310-73-2	215-185-5
Zinc Oxide	< 10	001314-13-2	- -

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**SKIN:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**INGESTION:** DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE LIMITS:**

**Notes:** Not Applicable

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** Any Available.

#### 6. ACCIDENTAL RELEASE MEASURES

**LARGE SPILL:** Absorb with absorbant and put into suitable container for disposal.

#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:**

WEAR PERSONAL PROTECTIVE EQUIPMENT AS DESCRIBED IN EXPOSURE CONTROLS/PERSONAL PROTECTION (SECTION 8) OF THE MSDS. DO NOT GET IN EYES, OR CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE. AVOID BREATHING AIRBORNE PARTICULATES; WEAR RESPIRATORY PROTECTION WHEN EXPOSURE IS POSSIBLE. WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Hydroxide	TWA	NL [1]	NL [1]	NL	NL	NL	NL
	STEL	NL [2]	C 2 [2]	NL	C 2	NL	NL
<b>Footnotes:</b> 1. NL = Not Listed 2. C = Ceiling							

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

#### **PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Do not use contact lenses.

**SKIN:** Wear rubber gloves.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**PROTECTIVE CLOTHING:** Wear suitable protective clothing at all times.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** None

**APPEARANCE:** Amber liquid.

**pH:** 13.5 to 15.5

**SPECIFIC GRAVITY:** 1.425 to 1.465

### **10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**INCOMPATIBLE MATERIALS:** Materials that react with sodium hydroxide. Acids.

### **11. TOXICOLOGICAL INFORMATION**

### **12. ECOLOGICAL INFORMATION**

### **13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Consult appropriate federal, local regulations for disposal. Empty containers are subject to same regulations.

### **14. TRANSPORT INFORMATION**

#### **DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Sodium Hydroxide Solution

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN1824

**PACKING GROUP:** II

**U.S. SURFACE FREIGHT CLASS:** 55

### **15. REGULATORY INFORMATION**

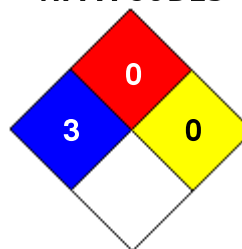
**UNITED STATES**

**DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes**313 REPORTABLE INGREDIENTS:** All**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Sodium Hydroxide	001310-73-2

**16. OTHER INFORMATION****REASON FOR ISSUE:** FORMAT CHANGE**APPROVED BY:** L CASWELL **TITLE:** PRESIDENT**PREPARED BY:** L CASWELL**REVISION SUMMARY:** New MSDS**NFPA CODES****MANUFACTURER DISCLAIMER:**

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