

# SAFETY DATA SHEET

Product Name : *ChemWorld Electroclean*

Date Issued : May 13, 2016

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ChemWorld Electroclean  
**Formula :** Multi-component mixture

**Chemical Synonym / C# :** c131  
**Chemical Family:** Strong alkaline detergent

**Supplier :** ChemWorld.com 885 Woodstock Road, Ste 430-111 Rosewell, GA 30075  
**Information Telephone :** (800)658-7716 or **Emergency Telephone :** (855) 347-8203

## SECTION 2 : HAZARD IDENTIFICATION

**Form :** Liquid **Color :** Clear, heavy, colorless

**Emergency Overview :** Corrosive! Harmful: possible risk of irreversible effects through inhalation, in contact with skin, and if swallowed. Causes severe burns on contact. Mists and vapors are irritating to the eyes, respiratory system and skin. Reacts with some metals to liberate hydrogen gas which can form explosive mixtures with air. May react with some incompatibles violently, explosively, or form spontaneously combustible compounds. Toxic to aquatic organisms. Read the entire SDS for a more thorough evaluation of the hazards.

**OSHA Hazard Communication Standard :** This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

### **GHS Classification :**

Acute toxicity (oral) = category 4

Skin corrosion/irritation = category 1 category 1A

Serious eye damage / eye irritation = category 1

Specific target organ toxicity (single exposure) = category 1

**Signal Word :** Danger

### **GHS Hazard Pictograms :**



Exclamation mark,



Health hazard,



Corrosion

### **Hazard Statements :**

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H370 - Causes damage to organs

### **Precautionary Statements :**

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P312 - Call a POISON CENTER or doctor if you feel unwell

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

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## Precautionary Statements, continued :

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant
- P334 - Immerse in cool water/wrap in wet bandages
- P390 - Absorb spillage to prevent material damage
- P406 - Store in corrosive resistant aluminum container with a resistant liner

## Other hazards which do not result in classification :

None known. See Section 11 for Potential Health Hazards

## SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Sodium Hydroxide	1310-73-2	40 - 50

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

## SECTION 4 : FIRST AID MEASURES

**Eye Contact:** Promptly flush repeatedly with water for at least 15 minutes while holding lids apart. Seek attention of a physician at once!

**Skin Contact:** Flush contacted area repeatedly with water, if irritation persists, see a physician for treatment. Launder contaminated clothing before reuse.

**Inhalation:** Move victim to fresh air. Seek medical attention.

**Ingestion:** If conscious, give large volumes of water. DO NOT INDUCE VOMITING! Seek medical aid!

## SECTION 5 : FIRE FIGHTING MEASURES

**Extinguishing Media:** None required.

**Fire Fighting Procedures:** Use caution when fighting any fire. Adequate respiratory protection is essential.

**Unusual Fire and Explosion Hazards:** None known.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:** Wear a respirator, and suitable protective clothing!

**Small Spill:** Neutralize with suitable acid such as dilute HCl. Absorb with suitable absorbant such as sand or vermiculite.

**Large Spill:** Stop leak at source, and contain spill with a dike of sand. Pump contained material to approved container for disposal.

**Deactivating Chemicals:** Neutralize carefully with weak acid, such as HCl, to a pH of 6 - 9.

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## SECTION 7 : HANDLING AND STORAGE

**Handling:** Handle with caution. Wash thoroughly after handling. For industrial use only! An eye/face and body deluge shower is required in the immediate work area.

**Storage Requirements:** Store in a dry area. Keep container sealed when not in use. Store away from acids.

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Sodium Hydroxide	-	2 (ceiling)

### Engineering measures :

**Ventilation / Local Exhaust :** Advisable to maintain below TLV requirements.

**Ventilation / Mechanical Recommendations:** Inlet near surface.

### Personal protective equipment :

**Respiratory Protection:** Use NIOSH mask for fumes and mist if ventilation is inadequate.

**Skin Protection:** Vinyl or rubber protective gloves.

**Eye Protection:** Goggles or face shield.

**Other Protective Equipment:** Vinyl apron and rubber boots.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / Odor:** Clear, colorless, heavy liquid, odor nil.

**Water Solubility:** complete

**pH (1%):** >12

**Specific Gravity:** 1.36

**Boiling Point (°F) :** 212+

**Evaporation Rate(water=1):** N/A

**% Volatile:** N/A

**Vapor Density(air=1) :** N/A

**Vapor Pressure(mmHg):** N/A

**Flash Point :** None

**Flash Point Method Used:** N/A

**Flammable Limits: LEL = N/A UEL = N/A**

## SECTION 10 : STABILITY AND REACTIVITY

**Hazardous Decomposition Products:** None.

**Chemical Stability:** Stable.

**Conditions to Avoid:** Hydrogen gas evolves upon contact with some metals.

**Incompatibility with other Substances:** Strong acids, soft metals.

**Hazardous Polymerization:** Will not occur.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### **POTENTIAL HEALTH EFFECTS (as Sodium Hydroxide):**

**Acute:** Corrosive to all body tissues with which it comes in contact.

**Chronic:** The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.

**Inhalation:** Inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

**Skin Contact:** May cause severe burns or severe tissue damage upon prolonged contact.

**Eye Contact:** May cause severe burns. May cause blindness or severe tissue damage upon prolonged contact.

**Ingestion:** May cause severe burns if ingested.

**Toxicological Data (as Sodium Hydroxide):** Acute dermal LD50 1.35g/kg(rabbit).

**Carcinogenicity:** This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

## SECTION 12 : ECOLOGICAL INFORMATION

**Exotoxicological Information (as Sodium Hydroxide):** Can cause damage to vegetation.

Toxicity is primarily associated with pH. Toxic to aquatic life.

**Environmental Effects:** Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Persistence and Degradation:** Degrades readily by reacting with natural carbon dioxide in the air. Does not bioaccumulate.

## SECTION 13 : DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Neutralize spent solutions to an acceptable pH level. Allow oils to separate and decant if possible. Detergent portion is 100% biodegradable.

Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

**Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No**

**If yes, the RCRA ID number is : N/A**

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## SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (855) 347-8203

UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information:

UN1824, SODIUM HYDROXIDE SOLUTION,  
8, PGII, (CORROSIVE, DETERGENT BLEND, ERG#154)

## SECTION 15 : REGULATORY INFORMATION

### US FEDERAL REGULATIONS :

**TSCA (Toxic Substances Control Act) Status :** TSCA (United States) The intentional ingredients of this product are listed.

**CERCLA RQ - 40 CFR 302.4(a) :**

<u>Component</u>	<u>RQ (lbs)</u>
SODIUM HYDROXIDE	1000

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (800) 424-8802 and to your Local Emergency Planning Committee.

**SARA 302 Components - 40 CFR 355 Appendix A**

<u>Section 302 Component(s)</u>	<u>TPQ (lbs)</u>	<u>RQ (lbs)</u>
none		

**SARA 311/312 Classification - 40 CFR 370.2 :**

(as Sodium Hydroxide) : Immediate (Acute) Health, Reactive Hazard

**SARA 313 Components - 40 CFR 372.65:**

<u>Section 313 Component(s)</u>	<u>CAS #</u>	<u>%</u>
None		

### INTERNATIONAL REGULATIONS :

Canada : WHMIS Hazard Class : D1B, E (as Sodium Hydroxide).

### STATE REGULATIONS :

**Other Regulations / Legislation which apply to this product (as Sodium Hydroxide):** Florida, New Jersey Special Health Hazard Substance List, Minnesota Hazardous Substance, California Director's List of Hazardous Substances, Pennsylvania Right-to-Know Special, Rhode Island Hazardous Substance List, Massachusetts Right-to-Know, Pennsylvania Right-to-Know, New Jersey Right-to-Know, CERCLA.

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## SECTION 16 : OTHER INFORMATION

**NFPA Rating :** HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 1

NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

**Revision Date :** 5/13/2016

Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.