

# Safety Data Sheet

24-HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300 Account #: 24245

## WC-322 CLEANER

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### 1. Product Identification

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When listed below, the identity of proprietary ingredients may be made available as provided in this standard.

Contains no known carcinogenic materials

#### NEPA Hazard Ratings:

Health: 3      Flammability: 0      Reactivity: 1      Special: None

#### DOT Information:

Proper Shipping Name: Sodium Hydroxide, Solution

Hazard Class/Packing Group: 8 (Corrosive)/II

I.D. Number: UN 1824

Hazardous Substance Reporting Quantity: 100#

#### OSHA Hazardous Ingredients:

Chemical Name: Sodium Hydroxide      Not More Than 20%

CAS Number: 1310-73-2

Synonyms/Common Names: Caustic Soda

Chemical Formula: NaOH

Subject to the reporting requirements of SARA Title III, Section 313: No

Chemical Name: Potassium Hydroxide      Not More Than 20%

CAS Number: 1310-58-3

Synonyms/Common Names: Caustic Potash

Chemical Formula: KOH

Subject to the reporting requirements of SARA Title III, Section 313: No

Chemical Name: Sodium Hypochlorite      Not More Than 5%

CAS Number: 7681-52-9

Synonyms/Common Names: Soda Bleach, Bleach

Chemical Formula: NaOCl

Subject to the reporting requirements of SARA Title III, Section 313: No

### 2. Physical Data

Boiling Point: Above 212°F

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Solubility in Water: Complete

Specific Gravity: 1.08 g/ml

Percent Volatile: Not applicable

Evaporative Rate: Not applicable

pH of 1%: 12.3

Appearance: Light yellow-green liquid

Odor: Slight chlorine odor

  
The Automation Chemical Company<sup>®</sup>

**The Perfect Mix<sup>®</sup>**

7114 Homestead Road • Fort Wayne, IN 46814  
p (260)432-1120 • f (260)432-1473

All information contained in this material is believed to be accurate and is submitted in good faith to assist our prospective users. The information, however, is without guarantee, since conditions and methods of use of our products are beyond our control. Wayne Chemical Inc. makes no guarantee as to patent infringement from the use of the products specified herein. Further, Wayne Chemical Inc. will not assume any liability arising out of the use of the products specified herein.



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### 3. Fire and Explosion Hazard Data

Flash Point: None to boiling  
Method Used: COC  
Extinguishing Media: Material will not burn. Use media appropriate for surrounding fire.  
Fire & Explosion Hazards: Can react with chemically reactive (amphoteric) metals to release hydrogen gas.  
Fire-Fighting Equipment: Use equipment and personal protection appropriate for potassium hydroxide and sodium hypochlorite. Self-contained breathing apparatus and protective clothing should always be worn when fighting fires involving chemicals.

### 4. Reactivity Data

Stability: Generally stable, but slow reduction of hypochlorites will occur  
Conditions to Avoid: High temperatures, exposure to light and low pH  
Incompatibility: Avoid contact with ammonia, acids, amines, ethers, cyanides, chlorinated isocyanurates and reducing agents.  
(Specific Materials to Avoid)  
Decomposition Products: Heating to decomposition may produce hydrogen chloride and chlorine. Contact with acid can release chlorine gas. The natural decomposition product is oxygen.  
Hazardous Polymerization: None known

### 5. Environmental and Disposal Information

Action to Take for Spills: Wear protective clothing. For spills of five gallons or less, flush to sewer with copious amounts of water. Dike large spills and pump into marked plastic drums for disposal or reclamation. Flush to sewer with copious amounts of water. Notify authorities if spill can produce adverse off-site effects.  
Disposal Methods: Dispose of in accordance with all local, state and Federal regulations.

  
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### 6. Health Hazard Data

Eye:	Will cause severe chemical burns
Skin Contact:	Will cause severe chemical burns
Ingestion:	Acute oral toxicity. Will cause severe chemical burns to the mouth, throat and digestive tract.
Inhalation:	Can damage the upper respiratory tract
Systemic & Other Effects:	None known

### 7. First Aid

**WARNING! CORROSIVE** -- Harmful or fatal if swallowed

Treat as a caustic (lye) injury

**Eyes:** Immediately flush eyes with large amounts of cool running water. If present, remove contact lenses. Continue flushing for at least 15 minutes while holding eyelids apart to ensure flushing of entire eye surface. SEEK MEDICAL ATTENTION IMMEDIATELY.

**Skin:** Immediately flush skin with large amounts of water for at least 15 minutes while removing contaminated clothing and footwear. Wash contaminated clothing before reuse. Discard footwear that cannot be decontaminated. SEEK MEDICAL ATTENTION IMMEDIATELY.

**Ingestion:** If swallowed, immediately drink large amounts of water. Do NOT induce vomiting. IMPORTANT -- Readminister water if patient is vomiting. Do NOT give anything by mouth to an unconscious or convulsing person. SEEK MEDICAL ATTENTION IMMEDIATELY.

**Inhalation:** Remove person to fresh air at once. If breathing has stopped, give mouth-to-mouth resuscitation. SEEK MEDICAL ATTENTION IMMEDIATELY.

### 8. Handling Precautions

Exposure Guideline:

#### Sodium Hydroxide:

ACGIH -- TLV is 2.0 mg/m<sup>3</sup> ceiling

OSHA -- PEL is 2.0 mg/m<sup>3</sup> (TWA)

#### Potassium Hydroxide:

ACGIH -- TLV is 2.0 mg/m<sup>3</sup> ceiling

OSHA -- PEL is 2.0 mg/m<sup>3</sup> (TWA)

#### Sodium Hypochlorite:

ACGIH -- TLV is not established

OSHA -- PEL is not established

Ventilation:

Provide adequate ventilation consistent with the exposure guideline when applicable.

(Continued:)

  
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### 8. Handling Precautions

Respiratory Protection:

Use NIOSH-approved respirators in areas where exposure guideline limits are exceeded.

Skin Protection:

Rubber or plastic gloves

Eye Protection:

Chemical safety goggles and/or a full-face shield

Other Protective Equipment:

Eye wash and emergency safety shower should be in close proximity. Use rubberized coveralls and rubber shoes.

NOTE: Since contact lenses can contribute to the severity of an eye injury, it is generally recognized that contact lenses should not be worn when working with chemicals.

### 9. Additional Information

Precautions to Be Taken in Handling and Storage:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Store in a cool, dry area.

Other Precautions:

Close container tightly after each use.

### 10. Definition of Abbreviations

ACGIH:

American Conference of Governmental Industrial Hygienists

A.S.T.M.:

American Society for Testing and Materials

CAS:

Chemical Abstract Service

COC:

Cleveland Open Cup -- A.S.T.M. D-92

DOT:

Department of Transportation

NFPA:

National Fire Protection Association

NIOSH:

National Institute for Occupational Safety and Health

OSHA:

Occupational Safety and Health Administration

PEL:

Permissible Exposure Limits -- Maximum exposure permitted by OSHA

SARA:

Superfund Amendments and Reauthorization Act of 1986

TLV:

Threshold Limit Value -- TWA conditions which, it is believed, workers can be repeatedly exposed to day after day without adverse effects. Published by ACGIH.

TWA:

Time Weighted Average -- The total exposure in parts per million (ppm) averaged over an eight-hour work period

UN:

Descriptions considered appropriate for international shipments as well as domestic shipments

Effective Date: 09/22/11

Form: H

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