

# Safety Data Sheet

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

## WC-350 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.

#### NFPA Hazard Ratings:

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

#### DOT Information:

Proper Shipping Name: Potassium Hydroxide, Solution  
Hazard Class/Packing Group: 8 (Corrosive)/II  
I.D. Number: UN 1814  
Hazardous Substance  
Reporting Quantity: 1000#

#### OSHA Hazardous Ingredients:

Chemical Name: Potassium Hydroxide      Not More Than 18%  
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

### 2. Physical Data

Boiling Point: Above 212°F  
Vapor Pressure: Not applicable  
Vapor Density: Not applicable  
Solubility in Water: Complete  
Specific Gravity: 1.13 g/ml  
pH: 12.4  
Percent Volatile: Not applicable  
Evaporative Rate: Not applicable  
Appearance: Emerald-green liquid  
Odor: Mild odor

### 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.

(Continued:)

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

**The Perfect Mix<sup>®</sup>**

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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 (Continued:)

Fire-Fighting Equipment: Use equipment and personal protection appropriate for potassium hydroxide. Self-contained breathing apparatus and protective clothing should always be worn when fighting fires involving chemicals.

### 4. Reactivity Data

Stability: Stable  
Conditions to Avoid: None known  
Incompatibility: Do not mix with acids or organic halogens.  
(Specific Materials to Avoid)  
Decomposition Products: Heating to decomposition may produce carbon monoxide and carbon dioxide.  
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.

### 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

  
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### 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:

Potassium Hydroxide:  
ACGIH -- TLV is 2.0 mg/m<sup>3</sup> ceiling  
OSHA -- PEL is 2.0 mg/m<sup>3</sup> (TWA)

Ventilation:

Provide adequate ventilation consistent with the exposure guideline when applicable.

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.

  
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### 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:

Hazardous carbon monoxide gas can form  
upon contact with reducing sugars such as  
fructose, lactose, etc. 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: F

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