

# Material Safety Data Sheet®

24-HOUR EMERGENCY PHONE: CHEMTRAC 1-800-424-9300

## WC-218 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.

Strong inorganic acid mists containing sulfuric acid may cause cancer. Risk of cancer depends on duration and level of exposure.

#### NFPA Hazard Ratings:

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

#### DOT Information:

Proper Shipping Name: Sulfuric Acid Solution

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

I.D. Number: UN 2796

Hazardous Substance

Reporting Quantity: 1000#

#### OSHA Hazardous Ingredients:

Chemical Name: Sulfuric Acid      Not More Than 25%

CAS Number: 7664-93-9

Synonyms/Common Names: Oil of Vitriol, Hydrogen Sulfate

Chemical Formula:  $H_2SO_4$

Subject to the reporting requirements of SARA Title III, Section 313: Yes

Chemical Name: Hydroxyacetic Acid      Not More Than 20%

CAS Number: 79-14-1

Synonyms/Common Names: Glycolic Acid

Chemical Formula:  $HO-CH_2-COOH$

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:

1.15

Percent Volatile:

Not applicable

Evaporative Rate:

Not applicable

Appearance:

Clear, red liquid

Odor:

Mild odor like burnt sugar

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**Wayne**  
**Chemical**  
The Automation Chemical Company

**The Perfect Mix®**  
7114 Homestead Road • Fort Wayne, IN 46814  
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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:	Will liberate flammable hydrogen gas upon contact with chemically reactive metals
Fire-Fighting Equipment:	Use equipment and personal protection appropriate for sulfuric and hydroxyacetic acids. 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:	Metals, oxidizing agents, cyanides, alkalis and sulfides
(Specific Materials to Avoid)	
Decomposition Products:	Heating to decomposition may produce carbon monoxide, carbon dioxide and oxides of sulfur
(Hazardous)	
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. Neutralize residue with soda ash. 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:	Acid vapor or mist can cause extreme irritation to the respiratory tract.
Systemic & Other Effects:	None known

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### 7. First Aid

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

Treat as a sulfuric acid 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:

Ventilation:

Sulfuric Acid:

OSHA PEL = 1 mg/m<sup>3</sup>

ACGIH TLV = 1 mg/m<sup>3</sup>

Hydroxyacetic Acid:

TLV (Dupont<sup>®</sup>) = 10 mg/m<sup>3</sup>

Provide adequate ventilation consistent with the exposure guideline when applicable.

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

Rubber or plastic gloves

Chemical safety goggles and/or a full-face shield

Eye Protection:

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. Use acid-resistant materials. Store away from heat and separate from strong alkalis, chlorinated cleaners and hypochlorites.

Close container tightly after each use.

Other Precautions:

### 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

SARA:

exposure permitted by OSHA.

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: 11/18/09

Form: B

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