

Material Safety Data Sheet

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

WC-260 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: Phosphoric Acid, Solution

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

I.D. Number: UN 1805

Hazardous Substance

Reporting Quantity: 5000#

OSHA Hazardous Ingredients:

Chemical Name: Phosphoric Acid Not More Than 40%

CAS Number: 7664-38-2

Synonyms/Common Names: Orthophosphoric Acid

Chemical Formula: H_3PO_4

Subject to the reporting requirements

of SARA Title III, Section 313: Yes

Chemical Name: Ethylene Glycol Monobutyl Ether

Not More Than 10%

CAS Number: 111-76-2

Synonyms/Common Names: 2-butoxyethanol, Dowanol EB

Chemical Formula: $HOCH_2CH_2OC_4H_9$

Subject to the reporting requirements

of SARA Title III, Section 313: Yes

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Wayne
Chemical
The Automation Chemical Company™

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

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2. Physical Data

Boiling Point:	Above 212°F
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility in Water:	Complete
Specific Gravity:	1.19
Percent Volatile:	Not applicable
Evaporative Rate:	Not applicable
Appearance:	Red liquid
Odor:	Ether-like 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 liberate flammable hydrogen gas upon contact with chemically reactive metals.
Fire-Fighting Equipment:	Use equipment and personal protection appropriate for phosphoric acid and ethylene glycol monobutyl ether. Self-contained breathing apparatus and protective clothing should always be worn when fighting fires involving chemicals.

4. Reactivity Data

Stability:	Stable
Conditions to Avoid:	Prolonged exposure to zinc, magnesium and galvanized surfaces.
Incompatibility:	Strong alkalis, strong oxidizing agents, chlorinated cleaners or hypochlorites.
(Specific Materials to Avoid)	

(Continued:)

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4. Reactivity Data (Continued:)

Decomposition Products:
(Hazardous)

Heating to decomposition may produce toxic fumes of phosphorus pentoxide, hydrogen sulfide and carbon monoxide.

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 phosphoric 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:

Phosphoric acid:

TLV: OSHA & ACGIH (TWA) = 1 mg/m³
STEL: 3 mg/m³

Ethylene Glycol Monobutyl Ether:

TLV -- ACGIH = 25 ppm (skin)
PEL -- OSHA = 50 ppm (skin)

Provide adequate ventilation consistent with the exposure guideline when applicable.

Ventilation:

(Continued:)

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8. Handling Precautions (Continued):

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. 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
(Continued):	

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10. Definition of Abbreviations (Continued):

COC:	Cleveland Open Cup -- A.S.T.M. D-92
DOT:	Department of Transportation
NFPA:	National Fire Protection Association
OSHA:	NIOSH: National Institute for Occupational Safety and Health Occupational Safety and Health Administration
SARA:	Superfund Amendments and Reauthorization Act of 1986
STEL:	Short-Term Exposure Limit
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: 03/12/03

Form: F

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