

# Safety Data Sheet

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

## WC-265 CLEANER

Page 1 of 4

### 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: Corrosive Liquids, n.o.s.  
(Contains Phosphoric and Nitric Acids)

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

I.D. Number: UN 1760

Hazardous Substance

Reporting Quantity: 1000# (nitric acid); 5000# (phosphoric acid)

#### OSHA Hazardous Ingredients:

Chemical Name: Phosphoric acid      Not More Than 30%

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: Nitric acid      Not More Than 25%

CAS Number: 7697-37-2

Synonyms/Common Names: Azotic acid, Aqua fortis

Chemical Formula:  $HNO_3$

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

### 2. Physical Data

Boiling Point: Above 212°F

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Solubility in Water: Complete

Specific Gravity: 1.16

Percent Volatile: Not applicable

Evaporative Rate: Not applicable

Appearance: Red liquid

Odor: Characteristic odor

  
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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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Page 2 of 4

### 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:	Strong oxidizer. Can liberate flammable hydrogen gas upon contact with chemically reactive metals. May react explosively with combustible organics or readily oxidizable materials.
Fire-Fighting Equipment:	Use equipment and personal protection appropriate for nitric and phosphoric 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:	Excessive heat and steam
Incompatibility: (Specific Materials to Avoid)	Reducing agents, alkalis, chlorinated cleaners and hypochlorites, combustibles, such as wood or cloth, rubber and active metals, such as iron, copper and their alloys.
Decomposition Products: (Hazardous)	Heating to decomposition may produce toxic, corrosive fumes of nitrogen oxide, hydrogen nitrate and phosphorous pentoxide.
Hazardous Polymerization:	None known

### 5. Environmental and Disposal Information

Action to Take for Spills:	Wear protective clothing. For small spills or drips, mop or wipe up and dispose of in DOT approved waste containers.
Action to Take for Spills:	Dike large spills with soil or other non-combustible absorbent material and carefully neutralize with lime or soda ash. If soda ash is used, provide adequate ventilation to dissipate the carbon dioxide gas generated. Keep non-neutralized material out of sewers, storm drains, surface waters and soil. Notify authorities if spill can produce adverse off-site effects.
Disposal Methods:	Dispose of contaminated product and clean-up materials in accordance with all local, state and Federal regulations.

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Page 3 of 4

### 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

### 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.**

### 8. Handling Precautions

Exposure Guideline:

Nitric acid:

TLV: OSHA & ACGIH (TWA) = 2 ppm

STEL: 4 ppm

Phosphoric acid:

TLV: OSHA & ACGIH (TWA) = 1 mg/m<sup>3</sup>

STEL: 3 mg/m<sup>3</sup>

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. Some respirator cartridges and canisters may contain oxidizable materials, such as activated carbon, and should not be used for nitric acid exposure protection.

(Continued:)

  
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Page 4 of 4

### 8. Handling Precautions (Continued:)

Skin Protection:

Rubber gloves with gauntlets

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 in a cool, dry, well-ventilated space 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

NFPA:

National Fire Protection Association

CAS:

Chemical Abstract Service

COC:

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

DOT:

Department of Transportation

NIOSH:

National Institute for Occupational Safety and Health

OSHA:

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: 09/22/11

Form: B

  
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