

Safety Data Sheet

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

WC-299 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 (Corrosive)
Hazard Class: 8 / III
I.D. Number: UN1805
Hazardous Substance Reporting Quantity: 5,000#

OSHA Hazardous Ingredients:

Chemical Name: Phosphoric Acid 25%

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: Ammonium Biflouride 2.9%

CAS Number: 1341-49-7

Synonyms/Common Names: Ammonium Acid Fluoride

Chemical Formula: NH_4HF_2

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:	1.16
Percent Volatile:	Not applicable
Evaporative Rate:	Not applicable
Appearance:	Red liquid
Odor:	Mild odor

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.

Wayne
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The Automation Chemical Company
The Perfect Mix®
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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 liberate flammable hydrogen gas upon contact with chemically reactive metals.
Fire-Fighting Equipment: Use equipment and personal protection appropriate for phosphoric acid and ammonium bifluoride. 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: Strong alkalis, chlorinated cleaners, hypochlorites
(Specific Materials to Avoid) cyanides and sulfides.
Decomposition Products: Heating to decomposition may produce toxic fumes of phosphorous pentoxide, carbon monoxide and toxic fluoride compounds.
(Hazardous) None known
Hazardous Polymerization:

5. Environmental and Disposal Information

Action to Take for Spills: Wear protective clothing. Dike spills and pump into marked plastic drums for disposal or reclamation. Neutralize small amounts of residue with soda ash and flush to sewer with copious amounts of water. Notify authorities if spill can produce adverse off-site effects.
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: May aggravate existing respiratory and/or skin ailments

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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

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.

Rubber or plastic gloves

Skin Protection:

Chemical safety goggles and/or a full-face shield

Eye Protection:

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

Other Protective Equipment:

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.

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

SARA:

Superfund Amendments and Reauthorization

Act of 1986

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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