

SAFETY DATA SHEET

CWT-31 Plus

1. Product and Manufacturer Identification

Product Name: CWT-31 Plus

Manufacturer: Apollo Technologies, Inc.
31441 Santa Margarita Parkway, Suite A-219
Rancho Santa Margarita, Ca. 92688

For more information call: (949) 888-0573

In case of emergency call:
(24 hours per day, 7 days per week)
Chem-Tel (800) 255-3924
Contract # MIS0000451

2. Hazards Identification



Signal word: Warning

Hazard statement(s)

H302 Harmful if swallowed

H319 Causes serious eye irritation

H315 Causes skin irritation

H412 Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment

Precautionary statement(s)

P102 Keep out of the reach of children

P234 Keep in original container

P305+P351+P338 IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P301+330+331+315 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Get immediate medical attention.

ROUTES OF EXPOSURE: Dermal, oral

Potential Health Hazards

Skin: Mist and solutions will cause severe skin irritation and possible ulceration.

Eyes: Mist or solutions will cause irritation or burns to the eyes. May cause blindness.

Inhalation: Will cause irritation to the respiratory tract including mucous membranes.

Ingestion: Will irritate the gastrointestinal tract. A large dose may cause violent diarrhea and abdominal perforations, lung edema or chest pains.

Delayed Effects: Permanent lung damage if inhaled. Permanent erosion of tooth enamel. May cause Bronchitis.

3. Composition- Ingredients

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INGREDIENT NAME

CAS NUMBER

Sulfuric Acid	7664-93-9
Phosphoric Acid	7664-38-2
Tolytriazole TT-50	64665-57-2
Zinc Chloride	7646-85-7

The remainder of the ingredients in this mixture is a proprietary blend and is considered a trade secret. The chemical concentration is also considered a trade secret. Specific chemical identities will be disclosed to competent medical personnel upon request. This is in the event of an actual medical emergency.

4. First Aid Measures

Skin: Immediately wash skin with soap and water. Remove contaminated clothing and wash in an industrial laundry before reusing. Get medical attention. Bring this MSDS to the health care provider.

Eyes: Flush eyes immediately with water for at least 15 minutes. Hold the lids back and allow water to thoroughly irrigate the eye. Seek prompt medical attention.

Inhalation: Remove to fresh air. Seek prompt medical attention as material is especially reactive with mucous membranes.

Ingestion: If the person is conscious, give plenty of milk or water. Get immediate medical attention.

5. Fire Fighting Measures

Flammable Properties

Flash Point: Not Flammable

Auto ignition temperature: Not Applicable

Extinguishing Media:

Material is not flammable. Use extinguishing media appropriate for surrounding fire.

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Measures: Wear NIOSH approved breathing apparatus. Use water spray to keep containers cool.

6. Accidental Release Measures

In case of spill or other material release: dike to prevent entering sewer or other waterway.

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Absorb onto sand or bicarbonate of soda. Wear appropriate personal protective equipment. Provide adequate ventilation to clear fumes.

7. Handling and Storage

Normal Handling: Avoid contact with eyes, skin and clothing. Do not eat or drink in the material handling and storage area. Practice good personal hygiene and housekeeping.

Storage Recommendations: Store in a cool, dry, well ventilated area away from bases and oxidizers. Keep container closed when not in use. Avoid contact with Zinc, Magnesium or Aluminum.

8. Exposure Controls/ Personal Protective Equipment

Engineering Controls: Use local exhaust while dispensing or during a release. Do not handle within an unventilated space.

Personal Protective Equipment

Skin Protection: When handling solutions wear Neoprene or PVC gloves, boots and a rubber apron or other impervious clothing.

Eye Protection: Wear a head covering and chemical safety goggles. Do not wear contact lenses or impact resistant safety glasses.

Respiratory Protection: Use a NIOSH approved respirator for acid fumes. Wear a respirator approved for use with Sulfur Oxide gas in the event of a fire. A self contained or supplied air respirator may be required.

An eye wash and safety shower is also required.

Exposure Guidelines:

<u>Ingredient</u>	<u>ACGIH TWA</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>
Phosphoric acid	1.0 mg/m3	1.0 mg/m3 (vacated)	
Sulfuric acid	1.0 mg/m3	1.0 mg/m3	None

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9. Physical and Chemical Properties

Appearance:	Light Brown to Beige
Physical State:	Liquid
Odor:	Sharp odor
Specific Gravity:	2.6 (water = 1)
Solubility in Water:	completely
pH:	1% solution <1
VOC content	0%

10. Stability and Reactivity

Normally Stable. Avoid high temperatures- yields Sulfur Oxides.

Incompatibilities: Strong Oxidizers and bases. Causes vigorous exothermic reactions. Avoid water. Avoid contact with reactive metals such as Magnesium, Zinc or Aluminum. Amines, anhydrides and combustibles should be avoided.

Hazardous Decomposition Products: Sulfur Oxides, Carbon Monoxide and Carbon Dioxide.

11. Toxicology Information

Acute (Immediate) Effects: Severe rash or skin irritation. Moderate to severe burns to eyes, skin and mucous membranes.

Delayed Effects: May cause Bronchitis.

12. Ecological Information

N/A

13. Disposal Considerations

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RCRA: This material is not a listed hazardous waste. Dispose of in accordance with federal, state and local regulations. Do not neutralize for disposal or send to sewer.

14. Transport Information

US DOT:

**Proper Shipping Name: Corrosive liquid, acidic, inorganic n.o.s, 8, UN 3264, PGII
ERG 137-2012**

15. Regulatory Information

Toxic Substances Control Act

TSCA: All components are listed on the TSCA Inventory of Chemical Substances

SARA Title III/CERCLA

Section 311 Hazard Class: Immediate (Irritant), reactive, acute health and chronic health

SARA 313 Toxic Chemicals: Phosphoric acid and Sulfuric acid

State Right to Know Lists

California: This material contains the following substances known to the state of California to cause cancer or reproductive harm: Arsenic, Lead and Cadmium.

16. Other Information

NFPA= Health -3 Fire -0 Reactivity- 0

DANGER: Corrosive

Current Issue Date: July 12, 2012

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