

COASTWIDE LABORATORIES

Formerly Paulsen & Roles Laboratories

10000 SW Commerce Circle

Wilsonville, OR 97070

Office PHONE: 503-416-5300 or FAX 503-416-5301

24-HR EMERGENCIES: MEDICAL 800-808-4691 DOT CHEMTREC: 800-424-9300

Hazard Rating

Health

Flammability

Reactivity

Special

HMIS

2

1

0

None

NFPA

2

1

0

None

MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 Format

SECTION 1: PRODUCT IDENTIFICATION

Product:

METAL MIRACLETM

MSDS CODE: CL3360.0702

GENERIC DESCRIPTION

Acid Cleaner for Copper/Stainless Steel

DATE ISSUED

7-1-02

SUPERSEDES

New

PREPARED BY

Regulatory Affairs Dept.

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Components	% by Wt.	CAS #	Exposure Limit
Phosphoric Acid**	30-45	7664-38-2	1 mg/m ³ (PEL & TLV/TWA)
Dowanol PM	10-25	107-98-2	100 ppm (PEL & TLV/TWA)

Balance is water and similar non-hazardous ingredients.

**This is the only component in this product that is currently reportable in either SARA Title III: Section 313, 40 CFR part 372 or the California Proposition 65 requirements.

NA = Not applicable NSR = No Special Requirements ND = Not Determined PEL = OSHA TLV-TWA = ACGIH

SECTION 3: HAZARD IDENTIFICATION

Primary Entry Routes: Skin, eyes, inhalation and ingestion. **Signs & Symptoms of Exposure:** Direct contact of product with eyes or skin may cause irritation. May be harmful if swallowed. **Effects of Overexposure:** Can cause eye damage. Avoid contact with eyes, skin and clothing. When handling concentrate, wear eye protection and rubber gloves. Keep out of the reach of children.

SECTION 4: FIRST AID MEASURES

Emergency First Aid Procedures: Wash skin with plenty of water. If irritation persists, seek medical aid. If eye contact occurs, flush eyes with water for 15-20 minutes, then get prompt medical aid. If product is swallowed, drink large amounts of water or milk and seek medical aid. **24-HR MEDICAL PHONE: 800-808-4691**

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 195F **Flammable Limits:** ND **Extinguishing Media:** Foam, CO₂, Dry Chemical, Water Fog.

Special Fire Fighting Procedures: Normal fire fighting procedures may be used.

Unusual Fire and Explosion Hazards: Corrosive Material. Container may melt and leak in heat of fire. Liquid run-off to sewers may create fire and explosion hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Release or Spill: Before attempting clean-up, refer to Hazard Data above. Remove ignition sources. Contain spill. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry place with adequate ventilation. Wash thoroughly after handling. Keep from freezing. Keep out of reach of children. Do not use on aluminum. Keep away from ammonia and chlorine.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: No special requirements under normal use conditions. Maintain adequate ventilation.
Protective Gloves: For undiluted product and where contact is possible, wear rubber or other impervious gloves.
Eye Protection: For undiluted product and where contact is possible, wear chemical workers splash-proof goggles and/or face shield.
Other Protective Measures: Use good personal hygiene practices. Launder contaminated clothing/equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Clear liquid **Boiling Point:** 212F **Evap. Rate:** NA **pH:** 1.5 **pH (1%):** 2.5
Vapor Density: ND **Vapor Pressure:** NA **Specific Gravity:** 1.1 **Solubility in Water:** Complete **%Volatile:** NA

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable **Conditions to Avoid:** None known to COASTWIDE **Incompatibility:** Chlorine and Ammonia
Hazardous Decomposition Products: Thermal decomposition may yield hydrogen chloride and oxides of carbon.
Hazardous Polymerization: Will not occur. **Conditions to Avoid:** None known to COASTWIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Toxicity: Non-toxic based upon current information available to COASTWIDE.

SECTION 12: ECOLOGICAL INFORMATION

Contains phosphates.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Information: For undiluted product, disposal is regulated under the Resource Conservation and Recovery Act as a corrosive waste. Disposal of regulated quantities should be by neutralization at a permitted facility in accordance with all Federal/State/Local regulations and ordinances regarding disposal of corrosive waters. Waste from normal product use may be sewer to a public-owned treatment works in compliance with applicable Federal, State and Local pretreatment requirements.

SECTION 14: TRANSPORT INFORMATION

DOT EMERGENCY 24 -HR: (800) 424-9300
DOT Class: Corrosive Liquids, acidic, inorganic, n.o.s. (Phosphoric Acid) 8, UN3264, PGII (ERG #154).

SECTION 15: REGULATORY INFORMATION

SARA Title III Section 313 and 40 CFR Part 372 Notification: See Section 2.
No ingredients in this product are currently listed as carcinogens by NTP, IARC or OSHA. All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) List.

SECTION 16: OTHER INFORMATION

Keep out of reach of children. Do not get in eyes, on skin or clothing. Harmful if swallowed. Avoid contamination of food. Avoid inhalation of spray mist. Always follow label directions carefully when using this or any chemical product. Keep MSDSs filed and organized in an area accessible to workers according to Hazard Communication Standards. If information about this product is required, please contact COASTWIDE Laboratories at 503-416-5300.

All information appearing herein is given in good faith. No warranty is made, expressed or implied including merchantability or fitness for a particular purpose. All conditions of use are beyond the control of COASTWIDE Laboratories. Therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes. The data contained herein is confidential and intended solely for the user's internal use.