

**SECTION I - PRODUCT IDENTIFICATION**

**MANUFACTURER:** Munro Products  
**DISTRIBUTOR:** 9150 Clarence Center Road  
Clarence Center, NY 14032

**INFORMATION:** 716/741-9450  
**EMERGENCY:** CHEMTREC® 1-800-424-9300

**PRODUCT CLASS:** INDUSTRIAL MAINTENANCE  
**TRADE NAME:** BathWorks Brass & Chrome Polish

**CODE:** BW-313  
**MSDS Issue Date:** 12/11/2008

**HMIS RATING:** HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0 PROTECTION = A  
**NFPA RATING:** HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>Wt % (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
Ammonium Hydroxide	1336-21-6	-----	50ppm	25ppm TWA	-----
Isopropanol	67-30-0	-----	400ppm 10mg/m <sup>3</sup>	400ppm	-----
Microcrystalline Silica	14808-60-7	-----	%silica+2	0.05mg/m <sup>3</sup>	-----
Oxalic Acid	6153-56-6	-----	1m/m <sup>3</sup>	2m/m <sup>3</sup>	-----

**SECTION 3 – HAZARD IDENTIFICATION**

**Routes of Entry:** Eye contact, skin contact, inhalation.

**Effects of Acute Exposure:**

**Inhalation:** Inhalation of ammonia fumes directly from bottle opening may cause irritation to the nose.

**Eyes:** Contact will cause irritation and/or redness.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Can cause irritation, nausea, or stomach distress.

**Effects of Chronic Exposure:** None known.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis and other pre-existing skin conditions.

**Carcinogenicity\*:** NTP: Yes (silica) IARC Monographs: Group 1 (silica) OSHA Regulated: No

\*Respirable free silica is considered a carcinogen; however, silica dust is not generated with use of this product.

**SECTION 4 – FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.

**Eyes:** Rinse with water for at least 15 minutes. If irritation persists, seek medical attention immediately.

**Skin:** Wash with soap and water, then rinse with vinegar. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth and throat with water. Drink 1-2 glasses of water or citrus juice. Get medical attention immediately.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point (Method Used):** 170°F (TCC)

**Flammable Limits:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Foam, dry chemical, water fog, and carbon dioxide.

**Special Fire Fighting Procedures:** None.

**Unusual Fire and Explosion Hazards:** None.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Steps to Be Taken in Case Material is Released or Spilled:** Scope up the product and place in container for disposal. Wash the contaminated area with soap and water.

**SECTION 7 – HANDLING AND STORAGE**

**Precautionary Information:** Keep out of reach of children.

**Handling and Storage Conditions:** Store in a cool dry place.

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**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

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**Ventilation:** General ventilation normally adequate.

**Respiratory Protection (Specific Type):** None.

**Protective Gloves:** Wear latex, rubber, nitrile, or polyethylene gloves for prolonged use or if skin is sensitive.

**Eye Protection:** Safety glasses.

**Other Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** None.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**Color:** Off-white

**Odor:** Ammonia

**Specific Gravity (H<sub>2</sub>O = 1):** 1.14

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/D

**pH:** 9.5 - 10

**Product State:** Cream

**Boiling Point:** N/D

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Solubility in Water:** Partial.

**VOC:** N/D

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**SECTION 10 – STABILITY AND REACTIVITY**

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**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Strong oxidizers, mineral acids or chlorine bleach.

**Hazardous Decomposition or By-products:** May include and are not limited to ammonia and oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None.

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**SECTION 11- TOXICOLOGICAL INFORMATION**

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**Toxicological Data:** N/A

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**SECTION 12- ECOLOGICAL INFORMATION**

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**Environmental Data:** N/A

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**SECTION 13- DISPOSAL CONSIDERATIONS**

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**Waste Disposal Method:** Dispose of in accordance with all applicable local, state, and federal regulations.

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**SECTION 14- TRANSPORTATION INFORMATION**

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**DOT Regulations (Ground):** Not regulated – Per 49 CFR 173.120(b)(3), the product does not sustain combustion.

**IATA Regulations (Air):** Not regulated – Per IATA DGR 3.3.1.3, the product does not sustain combustion.

**Proper Shipping Name:** N/A

**Hazard Class Number and Description:** N/A

**UN/NA Number:** N/A

**Packaging Group:** N/A

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**SECTION 15- REGULATORY INFORMATION**

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All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

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**SECTION 16 – OTHER INFORMATION**

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**Additional Information:** Use as directed.

**NON WARRANTY:** The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. Non warranty or guarantee expressed or implied is made regarding the performance of any product since the manner of use is beyond our control. No suggestion for product use nor anything contained herein shall be construed as a recommendation for its use in infringement of any existing patent, and Munro assumes no responsibility or liability for operations that do infringe any such patents.