



# MARTRON INC. SAFETY DATA SHEET MARTRON MARSTRIP CU PART A

## Section 1: Identification

**Product Name:** MARTRON MARSTRIP CU PART A  
**Product Number:** MFC-004015

**Supplier Name:** Martron Inc.  
1394-A Walkup Ave.  
Monroe, NC 28110  
704-289-1934

**Website:** [www.martroninc.com](http://www.martroninc.com)

**Emergency Number:** CHEMTREC 800-424-9300

## Section 2: Hazard(s) Identification

### GHS Ratings:

Corrosive to metals	1	Corrosive to metals.
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1-hour, visible necrosis in at least one animal.
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq$ 3, Iritis > 1.5.
Organ toxin single exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases.
Organ toxin repeated exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases.

### GHS Hazards:

H290: May be corrosive to metals.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.  
H371: May cause damage to organs.  
H373: May cause damage to organs through prolonged or repeated exposure.

### GHS Precautions:

P234: Keep only in original container.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P264: Wash face, hands, and any exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P314: Get Medical advice/attention if you feel unwell.  
P321: Specific treatment (see first aid treatment on Safety Data Sheet - SDS).  
P363: Wash contaminated clothing before reuse.  
P390: Absorb spillage to prevent material damage.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P309+P311: IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

P405: Store locked up.

P406: Store in a corrosive resistant container with a resistant inner liner.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Signal Word:**

**DANGER**



**Section 3: Composition / Information on Ingredients**

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Trade Secret 10 to 20%			
Ammonium Hydroxide 1336-21-6 5 to 10%			

**Section 4: First Aid Measures**

**Inhalation:**

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

**Eye Contact:**

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**Skin Contact:**

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

**Ingestion:**

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Section 5: Firefighting Measures**

**LEL:**

**UEL:**

**Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire.

**Specific Hazards Arising from the Chemical:**

None known.

**Special Protective Equipment and Precautions for Firefighters Special Information:**

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**Section 6: Accidental Release Measures**

**Spill and Leak Procedures:**

Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contaminants.

**Section 7: Handling and Storage**

**Handling Procedures:**

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

**Storage Requirements:**

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

**Section 8: Exposure Control / Personal Protection**

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Trade Secret N/A			
Ammonium Hydroxide 1336-21-6			

**Engineering Controls:**

Provide ventilation sufficient to maintain exposure below the recommended limits.

**Respiratory Protection:**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

**Skin Protection:**

Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

**Eye Protection:**

Wear safety glasses with side shields (or goggles) and a face shield.

**Other Protective Equipment:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Hygienic Practices:**

Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

**Section 9: Physical and Chemical Properties**

<b>Appearance:</b>	Clear colorless liquid
<b>Odor:</b>	Ammonia
<b>Vapor Pressure:</b>	Unknown
<b>Odor Threshold:</b>	Unknown
<b>Vapor Density:</b>	Unknown
<b>pH:</b>	10.0 – 11.0
<b>Density:</b>	Unknown
<b>Melting Point:</b>	Unknown
<b>Freezing Point:</b>	Unknown
<b>Solubility:</b>	Soluble
<b>Boiling Range:</b>	Unknown
<b>Flash Point:</b>	Unknown

**Evaporation Rate:** Unknown  
**Flammability:** Unknown  
**Explosive Limits:** Unknown  
**Specific Gravity:** 1.03 – 1.07  
**Autoignition Temperature:** Unknown  
**Decomposition Temperature:** Unknown  
**Viscosity:** Unknown  
**Grams VOC Less Water:** Unknown

**Section 10: Stability and Reactivity**

**Chemical Stability:**  
 STABLE

**Incompatible Materials:**  
 Zinc, iron, copper.

**Conditions to Avoid:**  
 Unknown

**Hazardous Decomposition Products:**  
 Carbon dioxide. Ammonia gas. Gives off toxic and irritant fumes when heated or burning.

**Hazardous Polymerization:**  
 Hazardous polymerization will not occur.

**Section 11: Toxicology Information**

**Mixture Toxicity:**  
 Oral Toxicity  
 LD50: 2,992 mg/kg

**Routes of Entry:**  
 Inhalation  
 Ingestion  
 Skin contact  
 Eye contact

**Target Organs:**

**Effects of Overexposure:**

<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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**Section 12: Ecological Information**

**Component Ecotoxicity:**

Trade Secret  
 96 Hr LC50 Oncorhynchus mykiss: 0.16 - 1.1 mg/L;  
 96 Hr LC50 Oncorhynchus mykiss: 0.615 - 0.712 mg/L

Ammonium Hydroxide  
 96 Hr LC50 Pimephales promelas: 8.2 mg/L  
 48 Hr EC50 water flea: 0.66 mg/L;  
 48 Hr EC50 Daphnia pulex: 0.66 mg/L

**Section 13: Disposal Considerations**

Dispose of in accordance with local, state and federal regulations.

**Section 14: Transportation Information**

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

**Section 15: Regulatory Information****CERCLA/SARA Hazardous Substances:**

1336-21-6 Ammonium Hydroxide

Trade Secret

**Country****Regulation****All Components Listed****Section 16: Other Information**

Date Prepared:

11/3/2016

Reviewer Revision

**Disclaimer:**

The information herein is believed to be correct but does not claim to be all inclusive and should be used only as a guide. Neither the above-named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Our Safety Data Sheet (SDS) are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated Safety Data Sheet (SDS) for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.