



# MARTRON INC. SAFETY DATA SHEET MARTRON 308 DESCALER

## 1 PRODUCT and COMPANY IDENTIFICATION

**Product Identifier:** MARTRON 308 DESCALER  
**Product Number:** MFC-000005  
**Product Use:** Not specified.

**Revision Date:** 10/23/2013  
**Version:** 2

**Supplier Details:** 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

## 2 HAZARDS IDENTIFICATION

HMIS III:

| HMIS III  |   |   |
|---|---|---|
| HEALTH  | 2 | 2 |
| FLAMMABILITY  | 0 | 0 |
| PHYSICAL HAZARDS  | 1 | 1 |
| PERSONAL PROTECTION<br>C   Safety Glasses,<br>Gloves, Apron |   |   |

| PERSONAL PROTECTION INDEX |   |   |  |   |  |   |                        |
|---------------------------|---|---|--|---|--|---|------------------------|
| A                         |   |   |  |   |  |   |                        |
| B                         |   | + |  |   |  |   |                        |
| C                         |   | + |  | + |  |   |                        |
| D                         |   | + |  | + |  |   |                        |
| E                         |   | + |  | + |  |   |                        |
| F                         |   | + |  | + |  |   |                        |
| G                         |   | + |  | + |  |   |                        |
| H                         |   | + |  | + |  |   |                        |
| I                         |   | + |  | + |  |   |                        |
| J                         |   | + |  | + |  |   |                        |
| K                         |   | + |  | + |  |   |                        |
| X                         | Consult your supervisor or S.O.P. for "SPECIAL" handling directions |   |  |   |  |   |                        |
| A                         |   | n |  | O |  | p |                        |
| q                         |   | r |  | s |  |   |                        |
| t                         |   | u |  | w |  | y |                        |
| z                         |   |   |  |   |  |   |                        |
|                           |   |   |  |   |  |   | Additional information |

GHS Hazard Pictograms:



**GHS Signal Word:**  
**WARNING**

**GHS Classifications:**  
 Health, Specific target organ toxicity - Single exposure, 3  
 Health, Acute toxicity, 5  
 Oral Health, Skin corrosion/irritation, 2  
 Health, Serious eye damage/eye irritation, 2 B  
 Physical, Corrosive to metals, 1

**GHS Phrases:**

H335 - May cause respiratory irritation.  
H303 - May be harmful if swallowed.  
H315 - Causes skin irritation.  
H320 - Causes eye irritation.  
H290 - May be corrosive to metals.

**GHS Precautionary Statements:**

P304 - IF INHALED: Move individual to fresh air and contact a physician.  
P305 - IF IN EYES: Flush eyes with plenty of water. If redness persists, seek medical attention.  
P402+404 - Store in a dry place. Store in a closed container.  
P302+350 - IF ON SKIN: Gently wash with soap and water.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**3****COMPOSITION / INFORMATION ON INGREDIENTS****Ingredients:**

| <b>CAS #</b> | <b>Percentage</b> | <b>Chemical Name</b> |
|--------------|-------------------|----------------------|
| 1310-73-2    | >50%              | Sodium Hydroxide     |

The chemical identity and/or exact percentages of the above listed components are being withheld as a trade secret (CBI).

**4****FIRST AID MEASURES****Inhalation:**

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

**Skin Contact:**

Promptly flush skin with water until all chemical is removed. Contact a physician if symptoms persist.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists.

**Ingestion:**

Give 1-2 glasses of water. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person.

**Effects and Symptoms:****Ingestion:**

May be harmful if swallowed.

**Inhalation:**

Causes allergy or asthma symptoms.

**Skin Contact:**

Causes severe skin burns.

**Eye Contact:**

Causes eye damage.

**5****FIREFIGHTING MEASURES****Flash Point:**

None

**Flash Point Method:**

N/A

**Extinguishing Media:**

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Unsuitable Extinguishing Media:**

Not applicable.

**Hazardous Combustion Products:**

Not applicable.

**Special Exposure Hazards:**

Contact with some metals, particularly magnesium, aluminum, and zinc can rapidly generate hydrogen, which is explosive.

**Special Protective Equipment:**

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

**6****ACCIDENTAL RELEASE MEASURES****Personal Precautionary Measures:**

Use appropriate protective equipment. (See Section 8.) Do not get into eyes, skin, or clothing. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.

**Environmental Precautionary Measures:**

Do not empty into drains.

**Methods and Materials for Containment and Cleanup:**

This material may be neutralized with dilute acid for disposal. Do not discharge into waste water treatment until liquid residues have been neutralized with dilute acid (pH 6-9). Place in a non-leaking container for proper disposal according to Federal, State, and Local regulations.

**7****PRODUCT and COMPANY IDENTIFICATION****Handling Precautions:**

Use in a well-ventilated area. Do not breathe vapors. Do not get on skin, eyes, or clothing.

**Storage Requirements:**

Keep from freezing. Store between 50-80°F. Keep container closed and in a well-ventilated area.

**8****EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering Controls:**

Use in well-ventilated area.

**Personal Protective Equipment:**

HMIS PP, C | Safety Glasses, Gloves, Apron. Use good chemical hygiene practice. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapors.

**Exposure Limits:****USA OSHA (TWA5)/PEL:**

Not available.

**ACGIH (TWA/TLV):**

Not available.

**Respiratory Protection:**

Follow OSHA respirator guidelines found in 29 CFR 1910.134.

**Ventilation:**

Provide local exhaust ventilation.

**Protective Gloves:**

Wear chemical resistant protective gloves.

**Eye Protection:**

Wear chemical safety goggles.

**Other Protective Equipment:**

Wear long-sleeved clothing and chemical resistant apron.

## 9

**PHYSICAL and CHEMICAL PROPERTIES**

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Appearance:</b>                | Solid white powder |
| <b>Odor:</b>                      | None               |
| <b>Physical State:</b>            | Solid              |
| <b>Solubility:</b>                | Soluble in water   |
| <b>Odor Threshold:</b>            | Not available.     |
| <b>Freezing/Melting Point:</b>    | Not available.     |
| <b>Spec Gravity/Density:</b>      | Not available.     |
| <b>Flash Point:</b>               | N/A                |
| <b>Viscosity:</b>                 | Not available.     |
| <b>Vapor Density:</b>             | Not available      |
| <b>Boiling Point:</b>             | Not available.     |
| <b>Auto-Ignition Temperature:</b> | Not available      |
| <b>Flammability:</b>              | Not available.     |
| <b>Partition Coefficient:</b>     | Not available.     |
| <b>Vapor Pressure:</b>            | Not available.     |
| <b>pH:</b>                        | >12 (1% wt/wt)     |
| <b>Evaporation Rate:</b>          | Not available.     |
| <b>Decomp Temperature:</b>        | Not available.     |
| <b>Heat of Solution:</b>          | Very exothermic    |

## 10

**STABILITY and REACTIVITY****Stability:**

Stable

**Conditions to Avoid:**

Moisture and excessive heat (>120°F)

**Materials to Avoid:**

Avoid Contact with aluminum, fluorine, humid air, moisture, sulfuric acid, acids, magnesium, phosphorus pentoxide

**Hazardous Decomposition:**

Carbon dioxide

**Hazardous Polymerization:**

Will not occur.

## 11

## TOXICOLOGICAL INFORMATION

**Carcinogenicity:**

Not considered a carcinogen according to NTP, IARC, or OSHA.

**Target Organ Effects:**

Not available.

**Chronic Effects:**

Not determined.

**Acute Toxicity Values:****Oral (LD 50):**

No data available.

**Inhalation (LC 50):**

No data available.

**Immediate (Acute) Effects:****Ingestion:**

May be harmful if swallowed.

**Inhalation:**

Causes allergy or asthma symptoms.

**Skin Contact:**

Causes severe skin burns.

**Eye Contact:**

Causes eye damage.

## 12

## ECOLOGICAL INFORMATION

**Ecotoxicity:**

Not available

**Products of Bio-Degradation:**

Not available

**Toxicity of the Products of Bio-Degradation:**

Not available

**Bio-Accumulative Potential:**

No data available.

**Mobility in Soil:**

Not available.

## 13

## DISPOSAL CONSIDERATIONS

**Empty Containers:**

If empty container retains product residue, all label precautions must be observed. Dispose of unused product prior to disposing of empty container.

**Disposal Considerations of Substance:**

Do not discharge into waterways or sewage systems. Transport with all closures in place. Return for reuse or dispose of according to national, local, and state regulations.

## 14

## TRANSPORT INFORMATION

**DOT Class:** Corrosive (8) #8  
**UN #:** UN 1759  
**Class:** 8  
**Proper Shipping Name:** Corrosive solids, N.O.S., (Sodium Hydroxide), PG II  
**Marine Pollutant:** No



## 15

## REGULATORY INFORMATION

**Component/(CAS/PERC)/Codes**

\*Sodium Hydroxide (1310732 >50%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

**SARA Title III Section 313:**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1989 of 40 CFR 372.

**Regulatory Key Descriptions**

Material contains the above listed component(s) considered hazardous according to the following:

**CERCLA** = Superfund cleanup substance

**CSWHS** = Clean Water Act Hazardous substances

**MASS** = MA Massachusetts Hazardous Substances List

**OSHA** = OSHA Workplace Air Contaminants

**PA** = PA Right-To-Know List of Hazardous Substances

**TSCA** = Toxic Substances Control Act

**TXAIR** = TX Air Contaminants with Health Effects Screening Level

## 16

## OTHER INFORMATION

**Publication Date:**

10/23/2013, supersedes revision 04/24/2013

**Revision Number:**

2

**IMPORTANT NOTE:**

To the best of our knowledge, the information contained herein is accurate. However, **Martron Inc.** assumes no liability whatsoever for the accuracy or completeness of the information. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of the suitability of any material is the sole responsibility of the user.