

**SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION**

**PRODUCT**

**Product Name: AE-400**  
**Product Description: Acidic Cleaner**

**COMPANY IDENTIFICATION**

**Supplier: MasterChem Solutions**  
**996A Norcross Industrial Ct**  
**Norcross,GA 30071**

**24 Hour Emergency Telephone:** (800) 424-9300 CHEMTREC  
**General Information:** (770) 447-5025

**SECTION 2· HAZARDS IDENTIFICATION**

**GHS Classification:**

**[ Health ]**

Skin irritation Category 2  
Eye irritation Category 2A

**[ Environmental ]**

Acute aquatic toxicity Category 3  
Chronic aquatic toxicity Category 3

**[ Physical ]**

None

**GHS Label elements, including precautionary statements**

**Pictograms**



**Signal Word:** Warning

**Hazard statement(s)**

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects

**Precautionary statement(s)**

P264 Wash skin thoroughly after handling  
P273 Avoid release into the environment  
P280 Wear protective gloves/eyeprotection/faceprotection  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs, get medical attention/advice  
P337+P313 If eye irritation occurs, get medical attention/advice

**SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS Number	%WT
Proprietary Acid Blend	NA	55-65
Sodium Hydrogen Sulfate	7681-38-1	20-30
Sodium Dodecylbenzene Sulphonate	2155-30-0	1-5

**SECTION 4 · FIRST AID MEASURES**

**FIRST AID PROCEDURES:**

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes. Seek immediate medical attention.

**Skin:** Wash skin with soap and water. If irritation develops and persists seek medical attention.

**Inhalation:** For excessive inhalation remove to fresh air. If breathing is difficult seek immediate medical attention.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth with water. Seek medical attention immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water spray, dry chemical, carbon dioxide or ordinary foam are recommended.  
**Flammable Limits:** Lower: N/A Upper: N/A  
**Fire Fighting Procedures:** Cool fire-exposed containers with water spray to prevent container weakening and possible rupture. Use self-contained breathing apparatus with a full face piece operated in the positive pressure mode.  
**Unusual Fire and Explosion Hazards:** None known.  
**Fire and Explosion Hazards:** Not considered an explosion hazard.

**SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

**SECTION 7 - STORAGE AND HANDLING**

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe spray or mist. Do not use with metal spatula or other metal items. Inform laundry personnel of contaminant's hazards.  
**Storage:** Do not store near combustible materials. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store near alkaline substances. Store protected from moisture. Ideally, citric acid should be stored in isolation from all other chemicals in an approved acid or corrosives safety cabinet.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Engineering Controls:** Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

**Exposure Limits:** None Established

**Personal Protective Equipment (PPE):**

**Eyes:** Eye Protection when pouring. Goggles or full-face shield are recommended.  
**Skin:** Wear neoprene gloves, apron, and/or clothing. Viton gloves are recommended.  
**Clothing:** Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other protective items.  
**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.  
**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

**Flash Point:** Not Flammable  
**Autoignition Temperature:** No available data  
**Boiling Point:** NA  
**Melting Point/Freezing Point:** NA  
**pH:** ≤ 2.0 (0.1N Sol'n)

**Flammability Limits:** No available data  
**Specific Gravity:** NA  
**Volatile %:** Not volatile  
**Evaporation Rate (BuAc=1):** NA  
**Vapor Density (Air-1):** NA

**Solubility in Water:** Complete**Vapor Pressure:** No available data**Odor/Appearance:** White crystalline solid with slight odor**SECTION 10 - STABILITY AND REACTIVITY****Stability:** Stable under normal use conditions.**Conditions to Avoid:** This material should be stored away from alkaline material.**Incompatibility:** Avoid contact with alkaline materials.**Hazardous Decomposition Products:** May release ammonia gas, sulfur dioxide and sulfur trioxide**Hazardous Polymerization:** Will not occur.**SECTION 11 - TOXICOLOGICAL INFORMATION****Signs and Symptoms of Overexposure:****Skin:** Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.**Eyes:** Causes eye irritation.**Inhalation:** Causes mild respiratory tract irritation.**Ingestion:** Causes mild irritation of the mouth, throat, and esophagus.**Acute oral toxicity:**

Sulfamic Acid LD50 rat: 3,160 mg/kg

**Acute inhalation toxicity:**

Sulfamic Acid: LC50 rat: No available data

**Acute dermal toxicity:**

Sulfamic Acid: LD50 Rabbit: No available data

**SECTION 12 - ECOLOGICAL INFORMATION****Aquatic Toxicity:** No data available.**Bio-accumulative potential:** This product is not readily biodegradable.**Mobility:** No data available/**SECTION 13 - DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 - TRANSPORTATION****U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):****Proper Shipping Name:** Not a DOT Regulated Material**Hazard Class:****UN/NA:****Packaging Group:****SECTION 15 - REGULATORY INFORMATION**

**US FEDERAL REGULATIONS****Comprehensive Environmental Response and Liability Act (CERCLA)**

If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

The reportable quantity (RQ) for this material is not established.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

Acute Health Hazard. Chronic Health Hazard.

**SARA Section 313 (40 CFR 372) Hazard Categories:** This product contains the following toxic chemical subject to reporting requirements: None

**Clean Water Act:** This product contains no chemical that are listed under the CWA.

**California Prop 65:** This product contains no chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

<b>SECTION 16 - OTHER INFORMATION</b>
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**SDS Creation Date:** December 2015

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

The information contained on this Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive or fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.