


# MATERIAL SAFETY DATA SHEET

## Stone Cleaner 104S

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">3</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;"> </td></tr></table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	3								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION									

### 1. Product And Company Identification

<b>Supplier</b> ASAS / Tysol, Inc. 1561 Woodlane Drive PO Box 25098 Woodbury, MN 55125 USA  Company Contact: Tom Ewing Telephone Number: 651-730-5639 FAX Number: 651-730-5107 E-Mail: tom@tysol.com Web Site: www.tysol.com	<b>Manufacturer</b> ASAS / Tysol, Inc. 1561 Woodlane Drive PO Box 25098 Woodbury, MN 55125 USA  Company Contact: Tom Ewing Telephone Number: 651-730-5639 FAX Number: 651-730-5107 E-Mail: tom@tysol.com Web Site: www.tysol.com
--	--

<b>Supplier Emergency Contacts &amp; Phone Number</b> Medical Emergency Hotline: 1-800-228-5635	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> Medical Emergency Hotline: 1-800-228-5635
--	--

**Issue Date:** 10/30/2007

**Product Name:** Stone Cleaner 104S  
**Chemical Name:** Organic acid blend  
**CAS Number:** Not Established  
**Chemical Family:** Acid blend  
**Chemical Formula:** Blend  
**EPA Registry Number:** N.E.  
**MSDS Number:** 361

**Product/Material Uses**  
Non-Phosphate rust and scale remover

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
GLYCOLIC ACID	79-14-1	<	15
OXALIC ACID	144-62-7	<	7
SULFAMIC ACID	Not Establis	<	18

### 3. Hazards Identification

**Primary Routes(s) Of Entry**  
Ingestion Eye Contact, Skin Contact, Inhalation of spray

**Eye Hazards**  
Severe irritation, or burns possible.

**Skin Hazards**  
Irritation, or burns possible with prolonged contact

## Stone Cleaner 104S

### 3. Hazards Identification - Continued

#### Ingestion Hazards

Irritation or burns of mouth, throat or stomach.

#### Inhalation Hazards

Causes respiratory tract irritation.

#### Subchronic (Target Organ Effects)

Unknown; none expected beyond acute effects.

#### Chronic/Carcinogenicity Effects

The product and its ingredients have not been identified as carcinogen or probable carcinogen by NTP, IARC monographs or OSHA.

#### Conditions Aggravated By Exposure

Dermatitis and skin disorders.

### 4. First Aid Measures

#### Eye

In case of contact, immediately flush eyes with plenty of water. Get medical attention immediately.

#### Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists. Remove contaminated clothing and shoes.

#### Ingestion

If victim is fully conscious, give one or two cups of water or milk to drink. Call a physician or a poison control center immediately. DO NOT try to neutralize acid with a strong base.

#### Inhalation

If inhaled, remove to fresh air. Call a physician or a poison control center immediately.

### 5. Fire Fighting Measures

**Flash Point:** none °F

**Flammability Class:** 0

**Lower Explosive Limit:** none

**Upper Explosive Limit:** none

#### Fire And Explosion Hazards

none

#### Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

Neutralize spill area with soda ash or lime. Use appropriate personal protective equipment (PPE). Flush spill area with water.

### 7. Handling And Storage

#### Handling And Storage Precautions

Keep containers tightly closed. Keep out of reach of children. Wash thoroughly after handling.

#### Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Do not taste or swallow. Use only with adequate personal protection. Wash thoroughly after handling.

## Stone Cleaner 104S

### 7. Handling And Storage - Continued

#### Storage Precautions

Keep from freezing. Keep container tightly closed.

#### Work/Hygienic Practices

Wash thoroughly after handling.

### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Use with adequate general and local exhaust ventilation.

#### Eye/Face Protection

Chemical splash goggles.

#### Skin Protection

Chemical-resistant gloves. Plastic or rubber apron.

#### Respiratory Protection

The level of respiratory protection needed should be based on the required protection factor after evaluating chemical exposures using appropriate industrial hygiene monitoring and/or OSHA guidance.

#### Ingredient(s) - Exposure Limits

##### GLYCOLIC ACID

Dupont recommendation

10 mg/m<sup>3</sup>

##### OXALIC ACID

OSHA PEL 1mg/m<sup>3</sup> 2mg/m<sup>3</sup> STEL

ACGIH TLV 1mg/m<sup>3</sup> 2mg/m<sup>3</sup> STEL

### 9. Physical And Chemical Properties

#### Appearance

Light amber

#### Odor

Mild odor

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** NA °F NA °C

**Boiling Point:** 212 °F 100 °C

**Specific Gravity:** >1

**Molecular Weight:** NA

**Percent Volatiles:** >50

**Percent VOCs:** none

**Packing Density:** NA

**Vapor Pressure:** NA

**Vapor Density:** NA

**pH Factor:** 2 At a Concentration Of 100

**Solubility:** complete

**Viscosity:** like water

**Evaporation Rate:** like water

### 10. Stability And Reactivity

**Stability:** Avoid strong oxidizing materials and strong bases.

**Hazardous Polymerization:** none

# MATERIAL SAFETY DATA SHEET

Page 4 of 5

## Stone Cleaner 104S

<b>10. Stability And Reactivity - Continued</b>
<b>Conditions To Avoid (Stability)</b> Avoid incompatible materials.
<b>Incompatible Materials</b> Contact with metal liberates (releases) poisonous gas. Avoid strong oxidizing and reducing agents. Strong alkaline materials, bleach, cyanides and sulfides may create toxic fumes.
<b>11. Toxicological Information</b>
No Data Available...
<b>12. Ecological Information</b>
No Data Available...
<b>13. Disposal Considerations</b>
Refer to applicable federal, state, and local regulations prior to disposition of container and residual contents.
<b>RCRA Information</b> Waste solutions may meet the RCRA Corrosive characteristic.
<b>14. Transport Information</b>
<b>Proper Shipping Name</b> Corrosive liquids, NOS (Oxalic Acid ), 8, UN 1760, III    ERG#60
<b>Hazard Class</b> Corrosive, 8
<b>DOT Identification Number</b> UN1760
<b>DOT Shipping Label</b> Corrosive liquids, NOS ( Oxalic Acid ), 8, UN 1760, III    ERG#60
<b>Freight Class</b> 55
<b>15. Regulatory Information</b>
<b>SARA Hazard Classes</b> Acute Health Hazard
<b>SARA Section 313 Notification</b> This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.
<b>16. Other Information</b>
<b>NFPA Rating</b> Health: 3 Fire: 0 Reactivity: 0
<b>HMIS Rating</b> Health: 3 Fire: 0 Reactivity: 0
<b>Precautionary Label</b> Danger: Corrosive. Contains organic acids.

# MATERIAL SAFETY DATA SHEET

Page 5 of 5

## Stone Cleaner 104S

### 16. Other Information - Continued

#### Revision/Preparer Information

**MSDS Preparer:** TM

**MSDS Preparer Phone Number:** 651-730-4923

**This MSDS Supersedes A Previous MSDS Dated:** 12/20/2004

#### **Disclaimer**

The above information is to the best of our knowledge, current, accurate, and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of the product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exception conditions or circumstances exist or because of applicable laws or regulations.

ASAS / Tysol, Inc.