


# MATERIAL SAFETY DATA SHEET

## Tysol 196

<b>NFPA</b> 	<b>HMIS</b> <table border="1"> <tr> <td style="background-color: #00B0F0; color: white;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;"> </td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	
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FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION									

### 1. Product And Company Identification

<p><b>Supplier</b>                  ASAS / Tysol, Inc.                  1561 Woodlane Drive                  PO Box 25098                  Woodbury, MN 55125 USA</p> <p><b>Company Contact:</b> Tom Ewing  <b>Telephone Number:</b> 651-730-5639  <b>FAX Number:</b> 651-730-5107  <b>E-Mail:</b> tom@tysol.com  <b>Web Site:</b> www.tysol.com</p>	<p><b>Manufacturer</b>                  ASAS / Tysol, Inc.                  1561 Woodlane Drive                  PO Box 25098                  Woodbury, MN 55125 USA</p> <p><b>Company Contact:</b> Tom Ewing  <b>Telephone Number:</b> 651-730-5639  <b>FAX Number:</b> 651-730-5107  <b>E-Mail:</b> tom@tysol.com  <b>Web Site:</b> www.tysol.com</p>
<p><b>Supplier Emergency Contacts &amp; Phone Number</b>                  Medical Emergency Hotline: 1-800-228-5635</p>	<p><b>Manufacturer Emergency Contacts &amp; Phone Number</b>                  Medical Emergency Hotline: 1-800-228-5635</p>

**Issue Date:** 11/19/2007

**Product Name:** Tysol 196  
**Chemical Name:** Alkaline Solution  
**CAS Number:** Not Established  
**Chemical Family:** Alkaline Cleaner  
**Chemical Formula:** Mixture  
**EPA Registry Number:** N A  
**RCRA Number:** N A  
**MSDS Number:** 29

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
SODIUM SILICATE	1344-09-8	< 15

### 3. Hazards Identification

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

**Eye Hazards**  
 May cause eye irritation.

**Skin Hazards**  
 Causes skin irritation.

**Ingestion Hazards**  
 Aspiration hazard if swallowed. Can enter lungs and cause damage. Harmful if swallowed.

**Inhalation Hazards**  
 May cause nose, throat, and lung irritation.

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### 3. Hazards Identification - Continued

#### Conditions Aggravated By Overexposure

Skin and respiratory disorders.

### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

#### Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Wash clothing before reuse.

#### Ingestion

DO NOT INDUCE VOMITING. DO NOT try to neutralize a base with an acid. Get medical attention immediately.

#### Inhalation

If inhaled, remove to fresh air.

### 5. Fire Fighting Measures

**Flash Point:** >200 °F

**Autoignition Point:** N E °F N E °C

**Lower Explosive Limit:** N E

**Upper Explosive Limit:** N E

#### 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

Collect and dispose. 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

Do not get in eyes .Do not taste or swallow.

#### Storage Precautions

Keep away from acids.

#### Work/Hygienic Practices

Wash thoroughly after handling.

### 8. Exposure Controls/Personal Protection

#### Eye/Face Protection

Safety glasses with side shields or goggles.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General room ventilation is normally adequate.

#### Ingredient(s) - Exposure Limits

SODIUM SILICATE

PEL 1 ppm

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### 8. Exposure Controls/Personal Protection - Continued

#### Ingredient(s) - Exposure Limits - Continued

TLV 2 ppm

### 9. Physical And Chemical Properties

#### Appearance

Lite amber

#### Odor

Characteristic odor

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 212 °F

**Specific Gravity:** 1.0 - 1.1

**Percent Volatiles:** >80

**Percent VOCs:** <5

**Vapor Pressure:** N E

**pH Factor:** <11.5 At a Concentration Of as is

**Solubility:** complete

**Viscosity:** like water

**Evaporation Rate:** like water

### 10. Stability And Reactivity

**Stability:** stable

**Hazardous Polymerization:** none

#### Incompatible Materials

Avoid contact with strong acids.

### 11. Toxicological Information

No Data Available...

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

### 14. Transport Information

#### Proper Shipping Name

use product name

#### Freight Class

55

### 15. Regulatory Information

#### SARA Section 313 Notification

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.

### 16. Other Information

#### NFPA Rating

**Health:** 2

**Fire:** 0

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### 16. Other Information - Continued

#### NFPA Rating - Continued

Reactivity: 0

#### HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

#### Precautionary Label

Caution: Contains Alkaline Silicates.

#### Revision/Preparer Information

MSDS Preparer: TM

MSDS Preparer Phone Number: 651-730-4923

This MSDS Supercedes A Previous MSDS Dated: 10/28/2002

### 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.