


# MATERIAL SAFETY DATA SHEET

## TYSOL 931

<b>NFPA</b> 	<b>HMIS</b> <table border="1"> <tr> <td style="background-color: #00B0F0; color: white;">HEALTH</td> <td style="text-align: center;">1</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	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	1								
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  <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	<b>Manufacturer</b> ASAS / Tysol, Inc. 1561 Woodlane Drive PO Box 25098 Woodbury, MN 55125 USA  <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
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<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
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**Issue Date:** 11/19/2007

**Product Name:** TYSOL 931  
**Chemical Name:** Alkaline detergent  
**CAS Number:** Not Established  
**Chemical Family:** Alkaline detergent  
**Chemical Formula:** mixture  
**MSDS Number:** 72

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	3

### 3. Hazards Identification

**Primary Routes(s) Of Entry**  
 Eye Contact, Skin Contact, Inhalation, Ingestion - possible, but considered unlikely.

**Eye Hazards**  
 May cause eye irritation.

**Skin Hazards**  
 May cause skin irritation.

**Ingestion Hazards**  
 Harmful if swallowed.

**Inhalation Hazards**  
 May cause respiratory tract irritation.

**Subchronic (Target Organ Effects)**  
 Unknown.

## TYSOL 931

### 3. Hazards Identification - Continued

#### **Chronic/Carcinogenicity Effects**

This product is considered non-hazardous when evaluated by criteria established in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 4. First Aid Measures

#### **Eye**

In case of contact, remove contact lenses, if worn, immediately flush eyes with plenty of water for 15 minutes. Get medical attention immediately.

#### **Skin**

In case of contact, immediately flush skin with plenty of water.

#### **Ingestion**

Give water if swallowed.

#### **Inhalation**

If inhaled, remove to fresh air.

### 5. Fire Fighting Measures

**Flash Point:** >300 °F

**Flammability Class:** non-flammable

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

#### **Extinguishing Media**

Use the appropriate extinguishing media for the surrounding fire.

#### **Fire Fighting Instructions**

For any chemical fire firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

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 take internally.

#### **Storage Precautions**

Keep from freezing.

#### **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.

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

#### Other/General Protection

Eye wash stations in the work area.

#### Ingredient(s) - Exposure Limits

ETHYLENE GLYCOL MONOBUTYL ETHER

OSHA PEL 25 ppm

ACGIH TLV 25 ppm

### 9. Physical And Chemical Properties

#### Appearance

Lite amber

#### Odor

Distinctive odor.

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 212 °F

**Specific Gravity:** >1

**Percent Volatiles:** 1.0 - 1.1

**Percent VOCs:** <5

**Vapor Pressure:** N.E.

**Vapor Density:** N.E.

**pH Factor:** 10-12 At a Concentration Of 100%

**Solubility:** Complete

**Viscosity:** N.E.

**Evaporation Rate:** N.A.

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

### 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 contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

## TYSOL 931

### 15. Regulatory Information - Continued

#### Ingredient(s) - U.S. Regulatory Information

ETHYLENE GLYCOL MONOBUTYL ETHER

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

### 16. Other Information

#### NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

#### HMIS Rating

Health: 1

Fire: 0

Reactivity: 0

#### Revision/Preparer Information

MSDS Preparer: TM

MSDS Preparer Phone Number: 651-730-4923

This MSDS Supersedes A Previous MSDS Dated: 03/25/2003

#### 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.