


# MATERIAL SAFETY DATA SHEET

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## Enviro-Flush TY-3050/SC (Summer)

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">1</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	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  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:** Enviro-Flush TY-3050/SC (Summer)  
**Chemical Name:** Quaternary solution  
**CAS Number:** Not Established  
**Chemical Family:** Quaternary solution  
**Chemical Formula:** mixture  
**MSDS Number:** 61

**Product/Material Uses**  
Toilet Activator- Concentrate

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
ALKYL (C12-C16) DIMETHYLBENZYLAMMONIUM CHLORIDES	8001-54-5	<	2.5
DIDECYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	<	2.5

### 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.

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## Enviro-Flush TY-3050/SC (Summer)

### 3. Hazards Identification - Continued

#### Inhalation Hazards

May cause respiratory tract irritation.

#### Subchronic (Target Organ Effects)

Unknown.

#### 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.

## Enviro-Flush TY-3050/SC (Summer)

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

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General room ventilation is normally adequate.

#### Other/General Protection

Eye wash stations in the work area.

#### Ingredient(s) - Exposure Limits

ALKYL (C12-C16) DIMETHYLBENZYLAMMONIUM CHLORIDES

OSHA PEL NE

ACGIH TLV NE

DIDECYL DIMETHYL AMMONIUM CHLORIDE

OSHA PEL NE

ACGIH TLV NE

### 9. Physical And Chemical Properties

#### Appearance

Clear blue liquid.

#### Odor

Citrus aroma.

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 212 °F

**Specific Gravity:** >1

**Percent Volatiles:** >90

**Percent VOCs:** <10

**Vapor Pressure:** N.E.

**Vapor Density:** N.E.

**pH Factor:** 6-8 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

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## Enviro-Flush TY-3050/SC (Summer)

### 14. Transport Information - Continued

#### 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: 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 Supercedes A Previous MSDS Dated: 03/24/2003

### 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.