


MATERIAL SAFETY DATA SHEET

Ty-Spray Elektra-Kleen

NFPA 	HMIS <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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1. Product And Company Identification

Supplier 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	Manufacturer 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
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Supplier Emergency Contacts & Phone Number Medical Emergency Hotline: 1-800-228-5635	Manufacturer Emergency Contacts & Phone Number Medical Emergency Hotline: 1-800-228-5635
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Issue Date: 10/30/2007

Product Name: Ty-Spray Elektra-Kleen
Chemical Name: Alkaline detergent
CAS Number: Not Established
Chemical Family: Alkaline detergent
Chemical Formula: mixture
MSDS Number: 225
Product Code: Part # 6042-01

Product/Material Uses
 Parts Wash Detergent

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
POTASSIUM SILICATE	1312-76-1	8 - 10

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
 Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and/or possible blistering.

Ingestion Hazards
 Harmful if swallowed.

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3. Hazards Identification - Continued

Inhalation Hazards

Causes 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).

Epidemiology

Dermititis and similar skin disorders.

Teratogenicity (Birth Defects)

None known.

Reproductive Effects

None known.

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 for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Rinse mouth with large amounts of water. If swallowed, do not induce vomiting unless directed to do so by medical personnel. 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.

Inhalation

Remove the victim from the contaminated area while protecting yourself from exposure by wearing an appropriate respirator. Put a similar respirator on the victim if possible. Get medical attention immediately if breathing difficulty or irritation is severe or continues.

5. Fire Fighting Measures

Flash Point: none °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

Collect and dispose. For large spills, neutralize spill area by diluting with acetic acid. Avoid runoff to waterways.

7. Handling And Storage

Handling And Storage Precautions

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

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7. Handling And Storage - Continued

Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Do not take internally.

Storage Precautions

Keep away from acids. 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

NIOSH/MSHA approved respirator where conditions may cause exposure limits to be exceeded from mists of solution.

Other/General Protection

Eye wash stations in the work area.

9. Physical And Chemical Properties

Appearance

Amber liquid.

Odor

Mild odor.

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 212 °F

Specific Gravity: 1.20

Percent Volatiles: 70 (water)

Percent VOCs: 0

Vapor Pressure: N.E.

Vapor Density: N.E.

pH Factor: 12.5 - 13 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

Conditions To Avoid (Stability)

Contact with incompatible materials (see below)

Incompatible Materials

Strong oxidizing agents, strong acids.

11. Toxicological Information

No Data Available...

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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

Reactivity: 0

HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

Revision/Preparer Information

MSDS Preparer: TE

MSDS Preparer Phone Number: 651-730-4923

This MSDS Supersedes A Previous MSDS Dated: 05/01/2003

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.