


MATERIAL SAFETY DATA SHEET

Page 1 of 5

Ty-Spray TOTAL RUST STOP

NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td></td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION									

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
Supplier Emergency Contacts & Phone Number Medical Emergency Hotline: 1-800-228-5635	Manufacturer Emergency Contacts & Phone Number Medical Emergency Hotline: 1-800-228-5635

Issue Date: 10/30/2007

Product Name: Ty-Spray TOTAL RUST STOP
Chemical Name: Alkaline Corrosion Inhibitor
CAS Number: Not Established
Chemical Family: Amine
Chemical Formula: mixture
MSDS Number: 207

Product/Material Uses
Organic/ Inorganic based rust inhibitor.

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
MONOETHANOLAMINE	141-43-5	<	10
SODIUM MOLYBDATE	7631-95-0	<	5
SODIUM NITRITE	7632-00-0		4.7

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.

Ty-Spray TOTAL RUST STOP

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).

Conditions Aggravated By Overexposure

Repeated overexposure may aggravate existing kidney or liver disease.

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.

Ty-Spray TOTAL RUST STOP

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.

Other/General Protection

Eye wash stations in the work area.

Ingredient(s) - Exposure Limits

MONOETHANOLAMINE

OSHA STEL 6 ppm TWA 3 ppm

ACGIH STEL 6 ppm TWA 3 ppm

SODIUM MOLYBDATE

ACGIH TLV 5 mg/m³

OSHA PEL 5 mg/m³

SODIUM NITRITE

N.E.

9. Physical And Chemical Properties

Appearance

Clear light amber liquid.

Odor

Amine distinctive odor.

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: >500 °F

Specific Gravity: >1

Percent Volatiles: >80

Percent VOCs: nil

Vapor Pressure: N.E.

Vapor Density: N.E.

pH Factor: 11.5 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

Incompatible Materials

Avoid strong oxidizing and reducing agents. Avoid contact with strong acids.

11. Toxicological Information

Subchronic (Target Organ Effects)

Prolonged and repeated ingestion may cause kidney damage in lab animals.

MATERIAL SAFETY DATA SHEET

Page 4 of 5

Ty-Spray TOTAL RUST STOP

12. Ecological Information
No Data Available...
13. Disposal Considerations
Dispose in accordance with applicable federal, state and local government regulations.
14. Transport Information
<u>Proper Shipping Name</u> use product name
<u>Freight Class</u> 55
15. Regulatory Information
<u>SARA Hazard Classes</u> Acute Health Hazard Chronic Health Hazard
<u>SARA Section 313 Notification</u> 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.
<u>Ingredient(s) - U.S. Regulatory Information</u> SODIUM NITRITE SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
16. Other Information
<u>NFPA Rating</u> Health: 2 Fire: 0 Reactivity: 0
<u>HMIS Rating</u> Health: 2 Fire: 0 Reactivity: 0
<u>Precautionary Label</u> CAUTION: May cause eye irritation.
<u>Revision/Preparer Information</u> MSDS Preparer: TM MSDS Preparer Phone Number: 651-730-4923 This MSDS Supercedes A Previous MSDS Dated: 07/13/2004
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.

MATERIAL SAFETY DATA SHEET

Ty-Spray TOTAL RUST STOP

Disclaimer - Continued

ASAS / Tysol, Inc.