


# MATERIAL SAFETY DATA SHEET

## RWT-2000 GY

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">2</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	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	
HEALTH	2								
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
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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:** 07/19/2007

**Product Name:** RWT-2000 GY  
**Chemical Name:** Corrosion Inhibitor  
**CAS Number:** Not Established  
**Chemical Family:** Alkaline Liquid  
**Chemical Formula:** mixture  
**MSDS Number:** 350

**Product/Material Uses**  
Locomotive Radiator Water Treatment

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
SODIUM HYDROXIDE	1310-73-2		2.38
SODIUM NITRATE	7631-99-4	<	3
SODIUM NITRITE	7632-00-0	<	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.

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### 3. Hazards Identification - Continued

#### Ingestion Hazards

Harmful if swallowed.

#### 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

Dermatitis and similar skin disorders.

#### Teratogenicity (Birth Defects)

None known.

#### Reproductive Effects

None known.

#### Conditions Aggravated By Overexposure

Dermatitis

### 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.

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### 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

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

None normally required.

#### Other/General Protection

Eye wash stations in the work area.

#### Ingredient(s) - Exposure Limits

SODIUM HYDROXIDE

OSHA 2mg/m3

ACGIH 2mg/m3

SODIUM NITRATE

NA

SODIUM NITRITE

N.E.

### 9. Physical And Chemical Properties

#### Appearance

Yellow-Green liquid.

#### Odor

Mild odor.

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 212 °F

**Specific Gravity:** 1.15

**Percent Volatiles:** <50 (water)

**Percent VOCs:** 0

**Vapor Pressure:** N.E.

**Vapor Density:** N.E.

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

**Solubility:** Complete

**Viscosity:** N.E.

**Evaporation Rate:** N.A.

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<b>10. Stability And Reactivity</b>
<b>Stability:</b> Stable <b>Hazardous Polymerization:</b> Will not occur <b>Conditions To Avoid (Stability)</b> Contact with incompatible materials (see below) <b>Incompatible Materials</b> Strong oxidizing agents, strong acids.
<b>11. Toxicological Information</b>
No Data Available...
<b>12. Ecological Information</b>
No Data Available...
<b>13. Disposal Considerations</b>
Dispose in accordance with applicable federal, state and local government regulations.
<b>14. Transport Information</b>
<b>Proper Shipping Name</b> use product name <b>Freight Class</b> 55 <b>Packaging Exceptions</b> Containers larger than 110 gallons require RQ hazard labeling and placards
<b>15. Regulatory Information</b>
<b>SARA Section 313 Notification</b> 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. <b>Ingredient(s) - U.S. Regulatory Information</b> SODIUM NITRITE SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
<b>16. Other Information</b>
<b>NFPA Rating</b> Health: 2 Fire: 0 Reactivity: 0 <b>HMIS Rating</b> Health: 2 Fire: 0 Reactivity: 0 <b>Revision/Preparer Information</b> MSDS Preparer: TLM MSDS Preparer Phone Number: 651-730-4923 This MSDS Supersedes A Previous MSDS Dated: 07/19/2007

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### 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.