

# SAFETY DATA SHEET

## Section 1 Product and Company Identification

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Product Name: ST1 <sup>TM</sup>  
Recommend Use: Anticorrosion Agent Salts  
Issue Date: April 6, 2015  
Revision #: 0 (zero)

Manufacturer: Fire Suppression Products Inc.  
Address: 3400 Central Blvd  
Hudsonville Michigan  
Telephone Number: (866) 313-1467

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WARNING

## Section 2 Hazard Identification

### Hazard Statements: (IN FULL CONCENTRATION)

Routes of exposure: Inhalation, Ingestion. Skin contact. Eye contact.  
Eyes: Causes eye irritation.  
Skin: Causes skin irritation.  
Inhalation: Vapors may be released if stock solution of this product, as supplied, is heated 220°F. The vapors may be irritating to respiratory passages and should be avoided. Inhalation may be harmful.  
Ingestion: Do not ingest. May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Precautionary Statements:

Eyes: Irrigate with flowing water immediately for at least 15 minutes. Consult medical assistance.  
Skin: Wash off stock solution residues with running water. Remove contaminated clothing and wash thoroughly. Symptoms may include irritation, redness and itch of the effected area.  
Ingestion: If the victim has ingested the stock solution, administer large amounts of water and consider medical treatment.  
Inhalation: If effects occur, remove to fresh air. Consult medical authorities. In vapors situations, use eye protection.

### Section 3 Composition/Information

<u>CAS#</u>	<u>Name of Ingredient:</u>	<u>Percentage</u>
7632-00-0	Sodium Nitrite	2% - 12%
9036-19-5	Surfactant	2% - 12%
Other components below reportable levels		60% - 100%

Exact percentage (concentration) of composition has been withheld as trade secret

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### Section 4 First-Aid

Eyes:	Irrigate with flowing water immediately for at least 15 minutes. Consult medical assistance.
Skin:	Wash off stock solution residues with running water. Remove contaminated clothing and wash thoroughly. Symptoms may include irritation, redness and itch of the effected area.
Ingestion:	If the victim has ingested the stock solution, administer large amounts of water and consider medical treatment.
Inhalation:	If effects occur, remove to fresh air. Consult medical authorities. In vapors situations, use eye protection.

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### Section 5 Fire & Explosion Data

Flash Point:	555°F (290°C)
Flammable Limits:	LFL & UFL Not Determined
Fire Fighting Equip:	This product is not combustible, but substance is an oxidizer and its heat of reaction with combustibles may cause ignition. If fire situation, respiratory protection should be considered.
Extinguishing Media:	Water based product
General Fire Hazards	Explosion: Contact with oxidizable substances at temperature of 1000°F may cause combustion.

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### Section 6 Accidental Release

Leaks & Spills:	Dilute small spills with quantities of water and discard to the sanitary sewer with authorization.  For large spills: contain with absorbent materials and institute clean-up efforts to recover the spilled liquid outlined in facility control plan.
Disposal Method:	Follow all local, State, and Federal regulations.

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## Section 7 Handling and Storage

Storage: Do not store the stock solution under freezing conditions.

Store drums in a dry place in a temperature range of 40° to 100° Fahrenheit

Wash hands after handling. Do not eat, drink or smoke while handling this product.

Transportation: Is not regulated as a hazardous material

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## Section 8 Exposure Controls/ Personal Protection

Ventilation: General good ventilation should be acceptable for most situations. If vapors are generated in use conditions, local exhaust should be considered.

Respiratory Protection: None should be needed.

Skin Protection: Under normal use none should be needed. However, for sensitive individuals, gloves may be indicated when mixing solution.

Eye Protection: Eye contact with the stock product should be avoided. Wear appropriate eye protection.

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## Section 9 Physical and Chemical Properties

Appearance: Clear Red Liquid

Flammability/Explosive Limits: N/A

Odor: Odorless

Relative Density: N/A

Vapor Pressure: As Water

Flash Point: 555°F

Auto-ignition Temperature: N/A

Vapor Density: As Water

Freezing Point: 32° F

Decomposition Temperature: N/A

Boiling Point: 220° F

Evaporation Rate: As Water

Specific Gravity: (H<sub>2</sub>O=1) 1.04 kg/l 20°C

Percent Volatiles by Weight: 0.0032 wt%

Solubility in Water: Completely Miscible

VOC: Negligible in full concentrate

pH Level: Slightly alkaline, pH 9 in full concentrate

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## Section 10 Stability and Reactivity

Stability: (Conditions to Avoid) Stable under normal use conditions and in final use concentration.

Incompatibility: (Materials to Avoid) Components of the product concentrate are reactive with oxidizing or reducing materials but in the diluted working solution, this should not be a problem. Use on Magnesium is not recommended, therefore, Synthetic Lubricants, Inc. is not responsible for customers that use this product on Magnesium.

Hazardous Decomposition Products: Under proper use conditions, this product is a very dilute solution of the active ingredients. Extremely small amount of oxides of nitrogen and carbon are released as the product is subjected to combustion situations.

Hazardous Polymerization: Will not occur.

## **Section 11 Toxicological Information**

Avoid unnecessary skin and eye contact with stock product, as supplied. Avoid breathing any vapors that are generated by stock product. Do not contaminate food or drink. This product is not thought to be a serious carcinogenic threat. The active ingredient in this product has not been listed by OSHA, ACGIH, National Cancer Institute (NCI), National Toxicology Program (NTP), the Environmental Protection Agency (USEPA) or the International Agency for Research on Cancer (IARC) as a carcinogen.

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## **Section 12 Ecological Information\***

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## **Section 13 Disposal** (see Section 6)

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## **Section 14 Transport Information** (see Section 7)

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## **Section 15 Regulatory Information\***

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## **Section 16 Other Information**

The information in this SDS was obtained from sources that we believe are reliable. However, this information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness of this information.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For these and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of this product once sold and delivered.

Date of Preparation: April 6, 2015

Revision Number: 0

HMIS ratings    Health: 2  
                    Flammability: 0  
                    Physical hazard: 1

NFPA ratings    Health: 2  
                    Flammability: 0  
                    Instability: 0

\* Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(G) (2)).