## SAFETY DATA SHEET (GHS Format)

Also available for download at: http://www.WalterLouis.com/MSDS/

## SECTION 1 - PRODUCT AND COMPANY INFORMATION

**Product Identifiers** 

**Product name:** HT-2F THERMAL-GUARD **Product Application:** Inhibited Anti- Freeze

Emergency telephone number: CHEMTREC (800) 424-9300 Poison Control: 1-800-222-1222

#### **SECTION 2 – HAZARD IDENTIFICATION**

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Signal Word: DANGER

**Physical Hazards:** May be corrosive to metals.

**Health Hazards:** Skin Irritation/Corrosion (Category 1) Causes severe skin burns.

Eye Damage/Irritation (Category 1) Causes serious eye damage.

Toxic to Reproduction, Category 1B

Specific Target Organ Toxicity - Single Exposure, Category 1 (central

nervous system, heart, kidneys, and respiratory system)

Specific Target Organ Toxicity - Repeated Exposure, Category 1 (central nervous system,

kidneys, nervous system, heart, and respiratory system)

Toxic if swallowed

Environmental Hazards: Acute aquatic toxicity (Category 1) Very toxic to aquatic life

#### **Precautionary Statements**

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P301+P310 - IF SWALLOWED: Immediately call a poison center or doctor.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see section 4 on this SDS). P330 - Rinse mouth.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P391 - Collect spillage. P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

HNOC: HMIS Rating: Health hazard:3 Chronic Health Hazard: Flammability: 0 Physical Hazard 0

NFPA Rating: Health hazard: 3 Fire Hazard: 0 Reactivity Hazard: 0 \* Hazards not otherwise classified (HNOC) or not covered by GHS.



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## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient         | CAS       | Wt%      |
|------------------------------|-----------|----------|
| ETHYLENE GLYCOL              | 107-21-1  | 50-60%   |
| Sodium Hydroxide             | 1310-73-2 | 2-10%    |
| Sodium Nitrite               | 7632-00-0 | 15-25%   |
| Silicic acid, sodium salt    | 1344-09-8 | 0.5-5%   |
| Sodium mercaptobenzothiazole | 2492-26-4 | .05-1.5% |

#### SECTION 4 – FIRST AID MEASURES

#### **Description of first aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**If swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the SDS (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed: None known.

#### **SECTION 5 – FIREFIGHTING MEASURES**

Flammable Properties: Non-Flammable

**Explosive Properties:** Risk of explosion if heated under confinement.

**Suitable Extinguishing media:** Water spray, fog.

Unsuitable extinguishing media: Do not use carbon dioxide. Do not use ABC dry chemical agents. Do not

use a heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture: Overheating in fire conditions may produce

POISONOUS GASES. Sodium Hydroxide in contact with water or moisture may generate enough heat to ignite combustibles.

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

#### **SECTION 6 – ACCIDENTIAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures:** Wear respiratory protection. Avoid dust formation. Avoid breathing vapor, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see Section 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

Avoid heat, flames, sparks and other sources of ignition. Eliminate all ignition sources if safe to do so. Do not touch or walk through spilled material. Stop leak if possible without personal risk. **Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. **Large spills:** Dike for later disposal. Prevent entry into waterways, sewers, basements, or confined areas. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

#### **SECTION 7 – HANDLING AND STORAGE**

#### **Precautions for Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye/face protection. Do not breathe vapor or mist. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product.

#### Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store locked up. Store in a cool, dry place. Store in a tightly closed container. Keep separated from incompatible substances.

Incompatibilities oxidizing materials, bases, acids, reducing agents, metals

#### SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

## **Control parameters**

| Sodiume Nitrite              | 7632-00-0 | Contains no substances with occupational exposure limit values.   |             |                                   |
|------------------------------|-----------|---|-------------|-----------------------------------|
| Silicic acid, sodium salt    | 1344-09-8 | Contains no substances with occupational exposure limit values.   |             |                                   |
| Sodium Hydroxide             | 1310-73-2 | USA ACGIH   | 2 mg/m³     | ACGIH Ceiling (mg/m³)             |
|                              |           | USA OSHA  | 2 mg/m³     | OSHA PEL (TWA) (mg/m³)            |
| Sodium mercaptobenzothiazole | 2492-26-4 | Limits for sodiu established by (   | •           | enzothiazole have not been<br>GIH |
| ETHYLENE GLYCOL              | 107 21 1  | ACGIH: 100 mg/m3 Ceiling (aerosol only) Europe: 20 ppm TWA; 52 mg/m3 TWA Possibility of significant uptake through the skin 40 ppm STEL; 104 mg/m3 STEL OSHA (Vacated): |             |                                   |
|                              | 107-21-1  | 50 ppm Ceiling;   | 125 mg/m3 C | Ceiling                           |

#### **Exposure controls**



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**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

<u>Skin protection:</u> Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

<u>Respiratory protection</u>: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Dark amber liquid with woody odor

pH: 12.1-13.1
Specific Gravity: 1.213-1.24
Molecular Weight: Mixture
Water Solubility: Complete

Melt/Freeze Point: Not Determined Boiling Point: 110 C / 230 F Flammability: Not Flammable

Flash Point: N/A Vapor Density: NA

**Note:** Physical Data is typical values based on material tested, but may vary based on

composition. Values should not be accepted as guaranteed for every lot or as

specifications for this product.

## **SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** No data available

**Chemical stability:** Stable under normal conditions of use and storage

Possibility of hazardous reactions: No data available

**Conditions to avoid:** None known

**Incompatible materials:** Strong acids and oxidizers.

Hazardous decomposition products: Thermal decomposition generates nitrogen oxides.



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### **SECTION 11 – TOXICOLOGICAL INFORMATION**

| Component: Sodium nitrite CAS 7632-00-0            |   |
|--|---|
| Acute Oral Toxicity                                | LD50 Oral - rat - 157.9 mg/kg   |
| Acute inhalation toxicity                          | No data available   |
| Acute Dermal Toxicity                              | No data available   |
| Eye irritation                                     | Moderate eye irritation - 24 h  |
| Target Organ Systemic Toxicant -Single exposure    | No data available   |
| Target Organ Systemic Toxicant - Repeated exposure | No data available   |
| Skin corrosion/irritation:                         | No skin irritation - 48 h   |
| Inhalation   | No data available   |
| Respiratory or skin sensitization:                 | No data available   |
| Reproductive toxicity:                             | No data available   |
| Carcinogenicity                                    | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| Aspiration hazard:                                 | No data available   |
| Germ cell mutagenicity:                            | No data available   |

Additional Information RTECS: RA1225000

Headache, Nausea, Incoordination., Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

| Component: Silicic acid, sodium salt CAS 1344-09-8 |  |  |
|--|--|--|
| Acute Oral Toxicity                                | Oral LD50 (rat) 3400 mg/kg bw  |  |
| Acute inhalation toxicity                          | Inhalation LC50 (rat) >2.06 g/m <sup>3</sup>                                     |  |
| Acute Dermal Toxicity                              | LD50 (rat) >5000 mg/kg bw  |  |
| Eye irritation                                     | Irritating to eyes.  |  |
| Target Organ Systemic Toxicant -Single exposure    | No data available  |  |
| Target Organ Systemic Toxicant - Repeated exposure | Not classified. NOAEL oral (rat) >159 mg/kg bw/d                                 |  |
| Skin corrosion/irritation:                         | Irritating to skin.  |  |
| Inhalation   | No data available  |  |
| Respiratory or skin sensitization:                 | Not sensitising.   |  |
| Reproductive toxicity:                             | No evidence of reproductive toxicity or developmental toxicity.                  |  |
| Carcinogenicity                                    | IARC, NTP, OSHA, ACGIH do not list this product as known or suspected carcinogen |  |
| Aspiration hazard:                                 | No data available  |  |

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| Germ cell mutagenicity:                            | No evidence of genotoxicity. In vitro/in vivo negative.   |
|--|---|
| Component: Sodium Hydroxide CAS 131                | 10-73-2   |
| Acute Oral Toxicity                                | LDLo - Lowest published lethal dose oral rabbit 500 mg /kg  |
| Acute inhalation toxicity                          | No data available   |
| Acute Dermal Toxicity                              | 1350 mg/kg (Rabbit; Literature, Rabbit; Literature)   |
| Eye irritation                                     | Causes serious eye damage.  |
| Target Organ Systemic Toxicant -Single exposure    | Injestion or inhalation will result in serious damage to affected membranes   |
| Target Organ Systemic Toxicant - Repeated exposure | Based on available data, the classification criteria are not met  |
| Skin corrosion/irritation:                         | Causes severe skin burns and eye damage.  |
| Respiratory or skin sensitization:                 | No data available   |
| Reproductive toxicity:                             | Based on available data, the classification criteria are not met  |
| Carcinogenicity                                    | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| Aspiration hazard:                                 | No data available   |
| Germ cell mutagenicity:                            | Based on available data, the classification criteria are not met  |
| Component: Sodium mercaptobenzothi                 | azole CAS 2492-26-4   |
| Acute Oral Toxicity                                | LD50 (Rat): = 2,639 mg/kg   |
| Acute inhalation toxicity                          | LC50 (Rat): = 1.3 mg/L  |
| Acute Dermal Toxicity                              | LD50 (Rabbit): > 7,940 mg/kg  |
| Eye irritation                                     | No data available   |
| Target Organ Systemic Toxicant -Single exposure    | Not expected to have specific target organ effects  |
| Target Organ Systemic Toxicant - Repeated exposure | Not expected to have specific target organ effects  |
| Skin corrosion/irritation:                         | No data available   |
| Inhalation   | No data available   |
| Respiratory or skin sensitization:                 | Not expected to be a skin sensitizer  No data available to indicate material may be a respiratory sensitizer                                |
| Reproductive toxicity:                             | Not expected to have reproductive effects   |
| Carcinogenicity                                    | This product and its components are not listed on OSHA, NIOSH, IARC or NTP lists as cancer-causing  |
| Aspiration hazard:                                 | No data available   |
| Germ cell mutagenicity:                            | Not expected to be mutagenic in humans  |
| Component: ETHYLENE GLYCOL CAS# 10                 | 07-21-1   |
| Acute Oral Toxicity                                | Oral LD50 Rat 4000 - 10200 mg/kg  |
| Acute inhalation toxicity                          | No data available   |
| Acute Dermal Toxicity                              | Dermal LD50 Rat 10600 mg/kg   |
| Acute Definal Toxicity                             | 8/8   |

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| Target Organ Systemic Toxicant -Single exposure | nervous system, kidneys  |
|---|--|
| Target Organ Systemic Toxicant - Repeated       |  |
| exposure  | central nervous system, kidneys, nervous system, heart, respiratory system   |
| Skin Contact:                                   | allergic reactions, absorption may occur, nausea, vomiting, stomach pain, difficulty breathing, hallucinations, headache, drowsiness, dizziness, disorientation, hyperactivity, emotional disturbances, tremors, loss of coordination, visual disturbances, lung congestion, brain damage, heart damage, kidney damage, liver damage, nerve damage, convulsions, coma, irritation  |
| Inhalation                                      | irritation, headache, drowsiness, dizziness, loss of coordination, blood disorders   |
| Respiratory or skin sensitization:              | No data available  |
| Reproductive toxicity:                          | The components of this material have been reviewed, and RTECS publishes the following endpoints:  ETHYLENE GLYCOL (107-21-1) 2100 mg/m3 Inhalation Mouse TCLo (6 hour, pregnant 6-15 day(s)); 2100 mg/m3 Inhalation Mouse TCLo (6 hour, pregnant 6-15 day(s)); 1000 mg/m3 Inhalation Mouse TCLo (6 hour, pregnant 6-15 day(s)); 1000 mg/m3 Inhalation Mouse TCLo (6 hour, pregnant 6-15 day(s)); 850 mg/kg Oral Mouse TDLo (Multigeneration); 98 gm/kg Oral Mouse TDLo (7 day(s), prior to copulation 7 day(s), pregnant 21 day(s)); 850 mg/kg Oral Mouse TDLo (Multigeneration); 15 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 15 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 15 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 294 gm/kg Oral Mouse TDLo (prior to copulation 15 week); 413 gm/kg Oral Mouse TDLo (15 week, prior to copulation 15 week); 3 week, continuous); 7500 mg/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 84 gm/kg Oral Mouse TDLo (pregnant 7-14 day(s)); 15 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 88720 mg/kg Oral Mouse TDLo (pregnant 7-14 day(s)); 1.7 gm/kg Oral Mouse TDLo (pregnant 7-14 day(s)); 1.7 gm/kg Oral Mouse TDLo (Multigeneration); 59.5 gm/kg Oral Mouse TDLo (7 day(s), prior to copulation 7 day(s), pregnant 21 day(s)); 413 gm/kg Oral Mouse TDLo (7 day(s), prior to copulation 7 day(s), pregnant 21 day(s)); 1.7 gm/kg Oral Mouse TDLo (Multigeneration); 29.75 gm/kg Oral Mouse TDLo (7 day(s), prior to copulation 7 day(s), pregnant 21 day(s)); 1.7 gm/kg Oral Mouse TDLo (Multigeneration); 2.5 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 7.5 gm/kg Oral Mouse TDLo (pregnant 6-15 day(s)); 2500 mg/kg Unreported Mouse TDLo (Multigeneration); 28 gm/kg Oral Rat TDLo (pregnant 6-15 day(s)); 2500 mg/kg Oral Rat TDLo (pregnant 6-15 day(s)); 2500 mg/kg Oral Rat TDLo (pregnant 6-15 day(s)); 2500 mg/kg Oral Rat TDLo (pregnant 6-15 day(s)); 33750 mg/kg Oral Rat TDLo (pregnant 6-20 day(s)); 12500 mg/kg Oral Rat TDLo (pregnant 6-20 day(s)); 12500 mg/kg Oral Rat TDLo (pregnant 6-20 day(s)); 125000 mg/kg Oral Rat TDLo (pregnant 6-20 da |



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|                         | (pregnant 6-15 day(s))  |
|-------------------------|---|
| Carcinogenicity         | ACGIH: A4 - Not Classifiable as a Human Carcinogen  |
| Aspiration hazard:      | Not expected to be an aspiration hazard.  |
| Germ cell mutagenicity: | The components of this material have been reviewed, and RTECS publishes data for one or more components |

### **SECTION 12 – ECOLOGICAL INFORMATION**

| Component: Sodium nitrite CAS 7632-00-0 |  |  |
|---|--|--|
| Toxicity, Fish                          | LC50 - Oncorhynchus mykiss (rainbow trout) - 0.94 - 1.92 mg/l - 96.0 h   |  |
| Toxicity, invertebrates                 | EC50 - Daphnia magna (Water flea) - 12.5 mg/l - 48 h   |  |
| Toxicity, Algae                         | No data available  |  |
| Bioaccumulation                         | No data available  |  |
| Mobility                                | No data available. Product is water soluble, so will likely move within the aquifer.   |  |
| Biodegradability                        | The methods for determining biodegradability are not applicable to inorganic substances                                      |  |
| Biochemical OxygenDemand (BOD)          | No data available  |  |
| Other adverse effects:                  | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  Very toxic to aquatic life. |  |

| Component: Silicic acid, sodium salt CAS 1344-09-8 |   |  |
|--|---|--|
| Toxicity, Fish                                     | (Brachydanio rerio) LC50 (96 hour) 1108 mg/l  |  |
| Toxicity, invertebrates                            | (Daphnia magna) EC50 (48 hour) 1700mg/l   |  |
| Toxicity, Algae                                    | No data available   |  |
| Bioaccumulation                                    | Inorganic. The substance has no potential for bioaccumulation.  |  |
| Mobility   | Not applicable.   |  |
| Biodegradability                                   | Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica. |  |
| Biochemical OxygenDemand (BOD)                     | No data available   |  |
| Other adverse effects:                             | The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.  |  |
| Component: Sodium Hydroxide CAS 1310-73-2          |   |  |
| Toxicity, Fish                                     | LC50 45.4 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)  |  |
| Toxicity, invertebrates                            | LD50 100 mg/l (48 h; Daphnia magna; PURE SUBSTANCE)   |  |
| Toxicity, Algae                                    | No data available   |  |

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| Bioaccumulation                | This material will not bioconcentrate   |
|--------------------------------|---|
| Mobility                       | No data available   |
| Biodegradability               | This Material will disassociate into ionic form in the aquatic enviroment . Natural carbon dioxide will slowly neutralize this material   |
| Biochemical OxygenDemand (BOD) | No data available   |
| Other adverse effects:         | No data available   |
| Component: Sodium mercap       | tobenzothiazole CAS 2492-26-4   |
| EcoToxicity                    | No data available   |
| Toxicity, Fish                 | LC50/96 h/S. gairdneri = 1.8 mg/L   |
| Toxicity, invertebrates        | LC50/48 h/D. magna = 19.0 mg/L  |
| Toxicity, Algae                | EC50/96 h/cell count = 0.4 mg/L   |
| Bioaccumulation                | B1 (low)  |
| Mobility                       | Mercaptobenzothiazole has a low to moderate mobility in soil, leaching may occur in alkine soil   |
| Biodegradability               | P2 (moderate)   |
| Biochemical OxygenDemand (BOD) | No data available   |
| Other adverse effects:         | No data available   |
| Component: ETHYLENE GLYCO      | DL CAS# 107-21-1  |
| EcoToxicity                    | No data available   |
| Toxicity, Fish                 | 96 Hr LC50 Oncorhynchus mykiss: 41000 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 14 - 18 mL/L [static]; 96 Hr LC50 Lepomis macrochirus: 27540 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 40761 mg/L [static]; 96 Hr LC50 Pimephales promelas: 40000 - 60000 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 16000 mg/L [static] |
| Toxicity, invertebrates        | 48 Hr EC50 Daphnia magna: 46300 mg/L  |
| Toxicity, Algae                | 96 Hr EC50 Pseudokirchneriella subcapitata: 6500 - 13000 mg/L   |
| Bioaccumulation                | Bioconcentration potential in aquatic organisms is low based on a BCF value of 10.  |
| Mobility                       | Expected to have high mobility in soil.   |
| Biodegradability               | No data available   |
| Biochemical OxygenDemand (BOD) | No data available   |
| Other adverse effects:         | No data available   |

### **SECTION 13 – DISPOSAL CONSIDERATION**

### Waste treatment methods:



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Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

This product is intended to be used in pretreatment of boiler water, and discharged to sanitary sewer in boiler blowdown water. Concentrated product may be diluted to a similar working concentration and flushed to sewer, or soaked up with absorbent material and landfilled in accordance with local, state, and federal regulations.

### **SECTION 14 – TRANSPORT INFORMATION (USDOT)**

**Proper shipping Name:** Corrosive Liquid, N.O.S. (Contains Sodium Hydroxide)

Hazard Class: Corrosive (8) UN/ID No UN1760

Packing Group

Reportable Quantity (RQ) 3571 lbs (calculated)

**Description:** N/A



#### **SECTION 15 – REGULATORY INFORMATION**

**TSCA** (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

**DSL:** This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List (DSL).

**CERCLA:** (Comprehensive Emergency Response Compensation, and Liability Act): Product is not found in "List of Hazardous Substances and Reportable Quantities" (40 CFR 302.4): None

RCRA: (Resource Conservation/Recovery Act): No

**SARA 302 Components**: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: Listed on United States SARA Section 313

SARA 311/312 Hazards: Reactive hazard, Immediate (acute) health hazard \

STATES: Massachusetts Right to Know Components, Pennsylvania Right To Know Components, New Jersey

Right To Know Components: Sodium nitrite (7632-00-0)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **SECTION 16 – OTHER INFORMATION**

### Fire Protection Association (NFPA) Ratings:

Safety Data Sheet for HT-2F THERMAL-GUARD

Rev 0 Jan 2016



After Hours: CHEMTREC 1-800-424-9300

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**NSF Certification:** N/A

This Safety Data Sheet compiled from information provided by the raw chemical product manufacturers.

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