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# SAFETY DATA SHEET

Issue Date: 26 October 2015

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

Product Name:

**LOOP TREAT NITRO**

Product Description:

**SCALE & CORROSION INHIBITOR**

### Other Means of Identification

Product #

A983

Synonyms

None

### Details of the Supplier of the Safety Data Sheet

Company Name

CHEMCO INDUSTRIES, INC.  
5731 Manchester Avenue  
St. Louis, MO 63110  
www.chemcoindustries.com  
314-647-1888  
1-800-854-4236 (to Reorder)

### Emergency Telephone Number

Emergency Telephone

INFOTRAC 1-188-535-5053

## 2. HAZARDS IDENTIFICATION

### Classification (GHS-US)

Acute Tox. 4 (Oral) H302

Skin Corr. 1A H314

Carc. 1B H350

Repr. 1B H360

\*Full text of H-phrases: see section 16

### GHS-US Labeling

Hazard pictograms (GHS-US):



Signal Word (GHS-US): Danger

Hazard Statements (GHS-US):

Harmful if swallowed

Causes severe skin burns and eye damage

May cause cancer

May damage fertility or the unborn child

Precautionary statements (GHS-US):

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Do not breathe spray, mist

Wash thoroughly after handling

Do not eat, drink or smoke when using this product

Wear eye protection, protective clothing, protective gloves

If swallowed: Call a doctor, a POISON CENTER if you feel unwell

If swallowed: rinse mouth. Do NOT induce vomiting

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

If inhaled: Remove person to fresh air and keep comfortable for breathing

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If exposed or concerned: Get medical advice/attention  
 Immediately call a doctor, a POISON CENTER  
 Rinse mouth  
 Wash contaminated clothing before reuse  
 Store locked up  
 Dispose of contents/container to comply with local/regional/national/international regulations.

**Other hazards:** No additional information available

**Unknown acute toxicity (GHS-US):** Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance:** Not applicable

\*Full text of H-phrases: see section 16

**Mixture:**

Name	Product identifier	%	Classification (GHS-US)
sodium nitrite	(CAS No) 7632-00-0	3-7	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2A, H319 Carc. 1B, H350
disodium tetraborate decahydrate, borax decahydrate	(CAS No) 1303-96-4	1-5	Repr. 1B, H360
sodium hydroxide, caustic soda	(CAS No) 1310-73-2	1-5	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314
Proprietary Dispersant	(CAS No) Proprietary	1-5	Skin Irrit. 2, H315 Eye Irrit. 2B, H320

### 4. FIRST AID MEASURES

**Description of first aid measures:**

**First-aid measures general:**

If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

**First-aid measures after inhalation:**

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

**First-aid measures after skin contact:**

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

**First-aid measures after eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**First-aid measures after ingestion:**

Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/injuries:**

Causes severe skin burns and eye damage. May cause cancer. May damage fertility. May damage the unborn child.

**Symptoms/injuries after inhalation:**

Irritation of the respiratory tract.

**Symptoms/injuries after skin contact:**

Caustic burns/corrosion of the skin.

**Symptoms/injuries after eye contact:**

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

**Symptoms/injuries after ingestion:**

Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Cramps. Nausea.

**Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:**

All extinguishing media allowed.

**Special hazards arising from the substance or mixture:**

**Reactivity:**

Thermal decomposition may produce oxides of carbon and nitrogen.

**Advice for firefighters:****Firefighting instructions:**

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Do not enter fire area without proper protective equipment, including respiratory protection.

**Protection during firefighting:**

Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:****General measures:**

Isolate from fire, if possible, without unnecessary risk.

**For non-emergency personnel:**

## Protective equipment:

Protective goggles. Gloves. Protective clothing.

## Emergency procedures:

Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area.

**For emergency responders:**

## Protective equipment:

Equip cleanup crew with proper protection.

## Emergency procedures:

Stop leak if safe to do so. Stop release. Ventilate area.

**Environmental precautions:**

Avoid release to the environment. Prevent soil and water pollution.

**Methods and material for containment and clean up:****For containment:**

Contain released substance, pump into suitable containers.

**Methods for cleaning up:**

This material and its container must be disposed of in a safe way, and as per local legislation.

**Reference to other sections:**

No additional information available.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:****Precautions for safe handling:**

Obtain special instructions before use. Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not breathe mist, spray.

**Hygiene measures:**

Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities:****Technical measures:**

Comply with applicable regulations. Add ALWAYS product to water for dilution/mixture. Never add water to this product.

**Storage conditions:**

Keep container closed when not in use. Store in original container.

**Incompatible products:**

Strong acids.

**Heat-ignition:**

KEEP SUBSTANCE AWAY FROM: (strong) acids

**Storage area:**

Store in a dry area. Store in a cool area. Keep locked up.

**Special rules on packaging:**

Meet the legal requirements. Keep only in original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:**

No additional information available

**Exposure controls:****Personal protective equipment:**

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties:**

Physical state

Liquid

Appearance

Clear, red colored liquid.

Odor

Mild odor

Odor threshold

No data available

pH

13 - 13.5

Melting point

No data available

Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	1.11 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	ND

## 10. STABILITY AND REACTIVITY

### Reactivity:

Thermal decomposition may produce oxides of carbon and nitrogen.

### Chemical stability:

No additional information available

### Possibility of hazardous reactions:

Refer to reactivity.

### Conditions to avoid:

No additional information available.

### Incompatible materials:

Strong acids.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

**Acute toxicity:** Oral: Harmful if swallowed.

<b>sodium hydroxide, caustic soda (1310-73-2)</b>	
LD50 oral rat	4090 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE CLP (oral)	4090.000 mg/kg body weight
ATE CLP (dermal)	1350.000 mg/kg body weight
<b>sodium nitrite (7632-00-0)</b>	
ATE CLP (oral)	100.000 mg/kg body weight

**Skin corrosion/irritation:** Causes severe skin burns and eye damage

pH: 13 - 13.5

**Serious eye damage/irritation:**

Not classified.

pH: 13 - 13.5

**Respiratory or skin sensitization:**

Not classified.

**Germ cell mutagenicity:**

Not classified.

**Carcinogenicity:**

May cause cancer.

**Reproductive toxicity:**

May damage fertility or the unborn child.

**Specific target organ toxicity (single exposure):** Not classified.

**Specific target organ toxicity (repeated exposure):** Not classified  
**Aspiration hazard:** Not classified.  
**Symptoms/injuries after inhalation:** Irritation of the respiratory tract.  
**Symptoms/injuries after skin contact:** Caustic burns/corrosion of the skin.  
**Symptoms/injuries after eye contact:** Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.  
**Symptoms/injuries after ingestion:** Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Cramps. Nausea.

**12. ECOLOGICAL INFORMATION**

**Toxicity:**  
 No additional information available

**Persistence and degradability:**  
 No additional information available

**Bioaccumulative potential:**  
 No additional information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**  
**Waste disposal recommendations:** Dispose of contents/container to comply with local/national regulations.

**14. TRANSPORT INFORMATION**

**Department of Transportation (DOT)**  
**Transport document description:** UN3266 Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide), 8, II  
**UN-No.(DOT):** UN3266  
**Proper Shipping Name (DOT):** Corrosive liquid, basic, inorganic, n.o.s.  
**Transport hazard class(es) (DOT):** 8 - Class 8 - Corrosive material 49 CFR 173.136  
**Hazard labels (DOT):** 8 - Corrosive  
**Packing group (DOT):** II - Medium Danger  
**DOT Packaging Non Bulk (49 CFR 173.xxx):** 202  
**DOT Packaging Bulk (49 CFR 173.xxx):** 242  
**DOT Symbols:** G - Identifies PSN requiring a technical name.  
**DOT Special Provisions (49 CFR 172.102):** B2,IB2,T11,TP2,TP27  
**DOT Packaging Exceptions (49 CFR 173.xxx):** 154  
**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 175.27):** 1L  
**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):** 30L  
**DOT Vessel Stowage Location:** B  
**DOT Vessel Stowage Other:** 40 - Stow "clear of living quarters", 52 - Stow "separated from" acids

**Additional information:**  
**Other information:** No supplementary information available.

**ADR:**  
 No additional information available.

**Transport by sea:**  
 No additional information available.

**Air Transport:**  
 No additional information available.

**15. REGULATORY INFORMATION**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) or 1986 and 40 CFR Part 372.

sodium nitrite	CAS No 7632-00-0	3-7
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sodium hydroxide, caustic soda (1310-73-2)	
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Not listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
<b>sodium nitrite (7632-00-0)</b>	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb

**California Proposition 65** - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

## 16. OTHER INFORMATION

**Training advice:** Normal use of this product shall imply use in accordance with the instructions on the packaging.

### Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Ox. Sol. 3	Oxidizing solids Category 3
Repr. 1B	Reproductive toxicity Category 1B
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H320	Causes eye irritation
H350	May cause cancer
H360	May damage fertility or the unborn child

**NFPA health hazard:** 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

**NFPA fire hazard:** 0 - Materials that will not burn.

**NFPA reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

### Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.