

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **INHIBITOR N**

Product Use: Closed System Treatment

BARCLAY WATER MANAGEMENT, INC.

55 Chapel Street
 Newton, MA 02458
 Telephone: 617-926-3400

Emergency Phone Number

CHEMTREC
 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Ratings:

Oxidizing liquid	3	Oxidizing liquid class 3
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days.
Aquatic toxicity	A2	Acute toxicity > 1.00 but <= 10.0 mg/l

GHS Hazards

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H401	Toxic to aquatic life.

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces ? No smoking.
P220	Keep/Store away from clothing/?/combustible materials.
P221	Take any precaution to avoid mixinn with combustibles.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see first aid instructions on SDS)
P330	Rinse mouth.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use ... for extinction
P501	Dispose of contents/container to an approved waste disposal plant.

Signal Word: **Warning**



3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Nitrite 7632-00-0 30 to 40%			

4. FIRST AID MEASURES

Inhalation:

Remove victim to fresh air and keep a rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Eye Contact:

Rinse the eye with water immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

Skin Contact:

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Ingestion:

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Notes to Physician:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: N/A

LEL:

UEL:

Flammability of the Product:

Not Flammable.

Extinguishing Media:

Foam, Dry powder, Water spray, Carbon dioxide (CO₂)

Further information:

No data available.

Specific hazards during fire fighting:

Thermal decomposition can lead to release oxides of nitrogen.

Fire Fighting Methods:

Standard procedure for chemical fires. Cool containers / tanks with water spray.

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Splashproof protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Wear personal protective equipment (see section 8).

Environmental precautions:

Should not be released into the environment. Stop the leakage if possible. If RQ (Reportable Quantity) is exceeded, report to National Spill Response Office 1-800-424-8802.

Methods for cleaning up:

In case of large spillage, contain by damming up. Collect by pump. Take up mechanically and collect into suitable containers for disposal. Must be disposed of in accordance with local and national regulations. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces

with water.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear appropriate personal protective equipment when handling this product. Do not get in eyes or on skin. Rinse immediately contaminated containers, equipment and tools with water.

Storage:

Store at room temperature in the original container. Keep tightly closed. Avoid freezing. Store away from acids.

Materials for packaging:

Suitable material: original container, plastic (PE, PP, PVC), Stainless steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Nitrite 7632-00-0			

Engineering Controls:

Ensure adequate ventilation.

Occupational exposure controls:

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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.

Respiratory protection

None under normal use.

Hand protection

Glove material: Nitrile rubber disposable gloves.

Eye protection

Safety glasses with side-shields. Maintain eyewash fountain in work area.

Skin and body protection

Maintain safety shower in work area. If conditions warrant, wear protective clothing such as boots, aprons and coveralls to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light Amber	Odor: Mild
Vapor Pressure: ND	Odor threshold: ND
Vapor Density: ND	pH: 10
Melting point: ND	Freezing point: < 32 F
Solubility: Complete in water	Boiling range: ND
Flash point: ND	Evaporation rate: Similar to Water
Flammability: ND	Explosive Limits: ND
Partition coefficient (n-octanol/water): ND	Autoignition temperature: ND
Decomposition temperature: ND	Specific Gravity: 1.273523896
Grams VOC less water: ND	

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Incompatibility materials

Strong oxidizers, Acids.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 217mg/kg

Inhalation Toxicity LC50: 14mg/L

Component Toxicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

Component Ecotoxicity

Sodium Nitrite 96 Hr LC50 Oncorhynchus mykiss: 0.19 mg/L [flow-through] (juvenile); 96 Hr LC50 Oncorhynchus mykiss: 0.092 - 0.13 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.4 - 0.6 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.65 - 1 mg/L [static]; 96 Hr LC50 Pimephales promelas: 2.3 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 20 mg/L [static]

13. DISPOSAL CONSIDERATIONS

Product:

Must be disposed of in accordance with local and national regulations.

Contaminated Packaging:

Must be disposed of in accordance with local and national regulations. Rinse package before disposal.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Nitrites, inorganic, aqueous solution, n.o.s. (Sodium Nitrite)	3219	III	5.1

15. REGULATORY INFORMATION

Massachusetts Right To Know Components
7632-00-0 Sodium Nitrite

New Jersey Right To Know Components
7632-00-0 Sodium Nitrite

Pennsylvania Right To Know Components
7632-00-0 Sodium Nitrite

The following chemicals are subject to reporting established by SARA Title III, Section 302.
- None

The following chemicals are subject to reporting established by SARA Title III Section 313.
7632-00-0 Sodium Nitrite

TSCA - All Components of this product are included in the United States TSCA Chemical Inventory.

SARA 311/312 - Acute Health Hazard.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

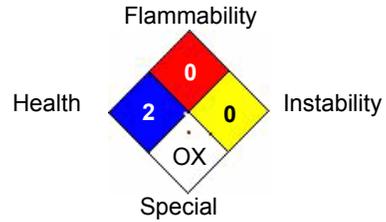
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. Barclay Water Management, Inc. does not assume any liability arising out of the use by others of this product.