



## MATERIAL SAFETY DATA SHEET

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2

PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME:

**ENVIROGUARD® CLT-6000S, CLOSED LOOP  
TREATMENT**

PRODUCT CODE:

119156

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2

Fire: 0/0

Reactivity: 0/0

Special/Protective Equipment: None/C

Emergency Phone:

INFOTRAC: 1-800-535-5053

OUTSIDE US: 1-352-323-3500

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

Causes burns of the mouth, throat and stomach. May cause tissue damage.

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

INHALATION:

Causes irritation of the mouth,nose,and throat.

EYE CONTACT:

Causes eye burns. May cause permanent eye damage.

CHRONIC EFFECTS:

High dose animal studies indicate reproductive effects with Boron compounds. Sodium Nitrite is tumorigenic and demonstrates reproductive effects in animal studies and is mutagenic in bacterial and mammalian cells.

EFFECTS/CARCINOGENICITY:

None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
SODIUM NITRITE 7632-00-0	50 - 60	Not applicable	Not applicable
SODIUM HYDROXIDE 1310-73-2	1 - 10	Not applicable	2 mg/m <sup>3</sup>
Sodium Tetraborate 1303-96-4	10 - 20	2 mg/m <sup>3</sup>	Not applicable
Sodium tolytriazole 64665-57-2	2 - 5	Not applicable	Not applicable
Hydroxyphosphonoacetic acid 23783-26-8	5 - 10	Not applicable	Not applicable

### 4. FIRST AID MEASURES

INGESTION:

Drink several glasses of water or milk. DO NOT INDUCE VOMITING. Get immediate medical attention.

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### 4. FIRST AID MEASURES

<b>SKIN:</b>	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention.
<b>INHALATION:</b>	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
<b>EYES:</b>	In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
<b>NOTES TO PHYSICIAN:</b>	None.

### 5. FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	<b>(F):</b> Not determined <b>(C):</b> Not determined
<b>METHOD:</b>	None
<b>FLAMMABLE LIMITS IN AIR</b>	
<b>LOWER (%):</b>	No data
<b>UPPER (%):</b>	No data
<b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b>	NO
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Carbon Dioxide, Dry Chemicals, Foam.
<b>FIRE FIGHTING PROCEDURES:</b>	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL PROCEDURES:

<b>SMALL SPILLS:</b>	Pick up with absorbant material. Flush with water.
<b>LARGE SPILLS:</b>	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

<b>PERSONAL PRECAUTIONS:</b>	Not applicable
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not applicable
<b>METHODS FOR CLEANING UP:</b>	Not applicable

### 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	Avoid contact with skin and eyes. Keep container closed when not in use. Store in a cool, dry area.
<b>OTHER PRECAUTIONS:</b>	No other spill procedures necessary.
<b>SPECIFIC USE(S):</b>	Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



<b>EXPOSURE CONTROLS:</b>	None known.
<b>RESPIRATORY PROTECTION:</b>	If product is used in a manner which creates vapor or mist above recommended exposure limits, a NIOSH/MSHA approved organic respirator may be needed in the absence of proper environmental controls.
<b>PROTECTIVE GLOVES:</b>	Neoprene. Rubber gloves.
<b>EYE PROTECTION:</b>	Goggles. Face shield.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.
<b>VENTILATION:</b>	General mechanical or local exhaust as needed to maintain exposure below TLV or PEL.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b>	Tan. Brown. Solid. Characteristic odor.	
<b>BOILING POINT (F):</b>	Not applicable	(C) Not determined
<b>VAPOR PRESSURE:</b>	Not determined	
<b>VAPOR DENSITY (AIR=1):</b>	Not determined	
<b>SOLUBILITY IN WATER:</b>	Complete	
<b>SPECIFIC GRAVITY:</b>	Not applicable	
<b>VOC Content (%):</b>	Not determined	
<b>EVAPORATION RATE:</b>	Not determined	
<b>PH:</b>	(1% solution) 9.5	

**10. STABILITY AND REACTIVITY**

<b>STABILITY DATA:</b>	STABLE
<b>POLYMERIZATION:</b>	Will Not Occur.
<b>HAZARDOUS DECOMPOSITION:</b>	Oxides of Carbon. Oxides of Nitrogen. Oxides of Phosphorus.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong acids and oxidizers. Magnesium Aluminum. Reducing agents.
<b>CONDITIONS/HAZARDS TO AVOID:</b>	None known.

**11. TOXICOLOGICAL INFORMATION**

<b>ACUTE TOXICITY:</b>	Not Established
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	Not established.
<b>OTHER TOXIC EFFECTS:</b>	Not established.

**12. ECOLOGICAL INFORMATION**

<b>ECOTOXICOLOGICAL INFORMATION:</b>	No data at this time
<b>CHEMICAL FATE INFORMATION:</b>	No data at this time.
<b>MOBILITY:</b>	Not applicable.
<b>PERSISTENCE/DEGRADABILITY:</b>	Not applicable
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not applicable
<b>OTHER ADVERSE EFFECTS:</b>	Not applicable

**13. DISPOSAL CONSIDERATIONS**

<b>WASTE DISPOSAL METHODS:</b>	Dispose in accordance with Federal, State and Local regulations.
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**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

**15. REGULATORY INFORMATION**

# ENVIROGUARD® CLT-6000S, CLOSED LOOP TREATMENT

## 15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM NITRITE 7632-00-0	50 - 60	Listed	Listed	Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	1 - 10	Listed	Listed	Listed	Not Listed
Sodium Tetraborate 1303-96-4	10 - 20	Listed	Not Listed	Listed	Not Listed
Sodium tolytriazole 64665-57-2	2 - 5	Listed	Listed	Listed	Not Listed
Hydroxyphosphonoacetic acid 23783-26-8	5 - 10	Listed	Not Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM NITRITE 7632-00-0	50 - 60	100 lb 45.4 kg	Not Listed	= 1.0 % de minimis concentration
SODIUM HYDROXIDE 1310-73-2	1 - 10	1000 lb 454 kg	Not Listed	Not Listed
Sodium Tetraborate 1303-96-4	10 - 20	Not Listed	Not Listed	Not Listed
Sodium tolytriazole 64665-57-2	2 - 5	Not Listed	Not Listed	Not Listed
Hydroxyphosphonoacetic acid 23783-26-8	5 - 10	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	1 - 10	Listed
Sodium Tetraborate 1303-96-4	10 - 20	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
SODIUM NITRITE 7632-00-0	50 - 60	Listed
SODIUM HYDROXIDE 1310-73-2	1 - 10	Listed
Sodium Tetraborate 1303-96-4	10 - 20	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
SODIUM NITRITE 7632-00-0	50 - 60	Listed
SODIUM HYDROXIDE 1310-73-2	1 - 10	Listed
Sodium Tetraborate 1303-96-4	10 - 20	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM NITRITE 7632-00-0	50 - 60	Listed
SODIUM HYDROXIDE 1310-73-2	1 - 10	Listed
Sodium Tetraborate 1303-96-4	10 - 20	Listed

<b>16. OTHER INFORMATION</b>
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This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

**\*\*\* END OF MSDS \*\*\***