



MATERIAL SAFETY DATA SHEET

Effective Date: 3/30/06

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Endurox 11 **Manufacturer: For information call:**
Source Technologies, LLC

859-223-1444
Or
859-948-1638

Chemical Name/Synonyms: Mixture

CAS Registry Number: Mixture

2 COMPOSITION / INFORMATION ON INGREDIENTS OSHA HAZARDS

Component	CAS Number	% by Weight	OSHA PEL	ACGIH TLV
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*The end formulation of this product is considered non-hazardous. All components are under proprietary information.

3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Harmful if inhaled or swallowed. Mist is irritating to respiratory tract. May cause central nervous system (CNS) depression, accelerated heart rate, and osmotic diuresis. Causes cyanosis (blue-grey skin and lips caused by lack of oxygen) if swallowed. Can decompose at high temperatures forming toxic gases. This material is a strong oxidizer which is stable under normal conditions, but can decompose if contaminated. If allowed to dry, contact with other combustible material can cause fire. Contents may develop pressure on prolonged exposure to heat.

POTENTIAL HEALTH EFFECTS:

Routes of Exposure: Eyes, skin, ingestion, inhalation.

Inhalation: May be irritating to respiratory passages.

Eye Contact: Irritation with burning and tearing (salt concentrations greater than the normal saline present).

Skin Contact: Large amounts can cause irritation, and, if applied to damaged skin, absorption can occur with effects similar to those via ingestion.

Ingestion: Acute ingestion intake of large amounts can result in nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage. Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

Cancer: N/A

Target Organs: N/A

Medical Conditions Aggravated
By Exposure: N/A

Subchronic/Chronic
Exposure: N/A

4 FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally.

Skin Contact: Flush skin with plenty of soap and water for at least 15 minutes. Remove contact clothing. Wash clothing before reuse.

Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk.

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Extinguishing Media: N/A. This product is nonflammable.

Fire Fighting Instructions: N/A

Fire & Explosion Hazards: None known.

Decomposition Products: N/A

6 ACCIDENTAL RELEASE MEASURES

General: Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into containers for proper disposal.

7 HANDLING AND STORAGE

Handling: Keep containers closed when not in use. Avoid breathing dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage: Store in a very dry place to avoid hard caking. Avoid contact with strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use with adequate ventilation.

Personal Protection: Eyeglasses or goggles should be worn in dusty environments. Protective clothing may be worn in dusty environments, but is generally not required. Use NIOSH/MSHA approved respirator for particulates.

Work Practices: Facility should have eyewash and safety shower available in close proximity.

Unsatisfactory Materials
of Construction: N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown solution
Specific Gravity: 1.20 +/- .10
Density: 10.0 - 11.0 lbs/gal
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: Appreciable.
Freezing Point: N/A
% Volatile by Weight: N/A
Boiling Point: N/A
Flash Point: N/A
pH: 6.5 - 7.5

10 STABILITY AND REACTIVITY

pH:
Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: High temperatures, sparks, open flames and all other sources of ignition. Minimize air borne spreading of dust. Sweep up immediately to eliminate slipping hazard. Strong oxidizers can cause ignition of combustible or oxidizable contaminants. Damp material may decompose exothermically and may cause combustion of organic material. Oxygen release due to exothermic decomposition may support combustion.

Incompatibility: Reactive with reducing agents, combustibles, strong acids, organic materials, powdered metals, antimony, finely powdered aluminum, cyanides

Decomposition Products: Thermal decomposition products are toxic and may include oxides of nitrogen, sodium and irritating gases.

11 TOXICOLOGICAL INFORMATION

On Product: N/A

On Ingredients: N/A

12 ECOLOGICAL INFORMATION

On Product: N/A

On Ingredients: N/A

13 DISPOSAL CONSIDERATIONS

Disposal Guidance: Dispose of in accordance with federal, state and local regulations.

Other Information:

14 TRANSPORTATION INFORMATION

DOT Hazardous Materials Classification:

Class/Division: 5.1
Label: Oxidizer
Packing Group: III
ID Number: UN 3218

15 REGULATORY INFORMATION

TSCA: N/A
RCRA: N/A

CERCLA:	N/A
SARA TITLE III:	N/A
OSHA Hazcom Status:	N/A
IARC:	N/A
NTP Annual Report on Carcinogens:	N/A
OSHA Carcinogen:	N/A

16 OTHER INFORMATION

This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which contains information from sources outside of our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.