

ETI OXIDIZER #1™

MATERIAL SAFETY DATA SHEET (Revised August 3, 2001)

Product Name: ETI Oxidizer #1

Supplier: EnvTech, Inc. (ETI)
8263 Alpine Avenue
Sacramento, CA. 95826
1-877-841-9690
(916) 455-9690

Chemical Name: Buffered Oxidizer

CAS Number: None currently assigned.

**24 Hour Emergency
Phone Number:** **CHEMTREC 1-800-424-9300**

HAZARDS IDENTIFICATION

Potential Health Effects

Causes skin, eye, nose, and throat irritation. May cause allergic skin reactions at high concentrations in sensitive individuals. Ingestion may cause inflammation and damage to the lining of the stomach resulting in bleeding

Human Health Effects

Skin contact may cause skin irritation with discomfort or rash and may cause temporary body hair loss in contacted areas. Allergic skin reactions were observed at high concentrations, but at lower concentrations of 12 ppm – 150 ppm, no allergic reactions were noted. Eye contact may cause eye irritation with discomfort, tearing, and/or blurring of vision. Inhalation may cause irritation of the upper respiratory passages with coughing and discomfort. Ingestion may cause gastritis possibly progressing to necrosis or hemorrhage.

Individuals with preexisting diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.

Carcinogenicity Information

None of the components present in this material at concentrations equal or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

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FIRST AID MEASURES

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

In case of skin contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse

EYE CONTACT

In case of contact immediately flush eyes with plenty of water for at least 15 minutes.

INGESTION

If swallowed, do **not** induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Will not burn.

Fire & Explosion Hazards:

Improper storage of large masses of "ETI Oxidizer #1" can trap heat and lead to ignition of combustibles(See "Handling and Storage"). Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizable material if present may occur.

EXTINGUISHING MEDIA

Water

FIRE FIGHTING INSTRUCTIONS

Will release oxygen when heated, intensifying a fire. Acidic mist may be present. Use self contained breathing apparatus.

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ACCIDENTAL RELEASE MEASURES

Sweep up and flush area with low pressure water(See “Disposal Considerations”)

Note: Review “Fire Fighting Measures” and “Handling” sections before proceeding with clean up. Use appropriate personal protective equipment.

HANDLING AND STORAGE

HANDLING

Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

STORAGE

Store in a cool, dry, well-ventilated area away from heat sources such as light fixtures or space heaters.

Pallets of 25kg. bags can be stacked. Leave open space on all sides of each pallet to provide ventilation. See local fire codes for allowable limits. Bulk bags should be stored on pallets. If stacked, use pyramid style no more than two pallets high.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use sufficient ventilation to keep employee exposure below recommended limits.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection

Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye or face contact from airborne material.

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Respirators

A NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if: there is any potential for an uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Protective Clothing

Wear impervious rubber clothing such as gloves, apron, boots, or whole bodysuit as appropriate. Leather gloves may be used when handling dry material.

EXPOSURE LIMITS

PEL (OSHA)	Particulates (Not Otherwise Regulated)
	15 mg/m ³ , 8 Hr. TWA, total dust
	5 mg/m ³ , 8 Hr. TWA, respirable dust

CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point -----	@ 760 mm Hg Decomposes
Melting Point -----	Decomposes
Vapor Pressure -----	Nil
Vapor Density -----	Not volatile
Evaporation Rate -----	(Butyl acetate = 1) Not Volatile
Solubility in Water -----	25.6 WT% @ 20°C(68°F)
Appearance -----	White granular free flowing solid
Odor -----	None
pH -----	8.8
Specific Gravity -----	1.1-1.4

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STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable when handled and stored as indicated

INCOMPATIBILITY

The mixture of ETI Oxidizer #1 with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixing with sodium dichloroisocyanurate or with sodium chloride can cause release of chlorine gas. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

DECOMPOSITION

Decomposes when heated or dampened, releasing oxygen and heat of decomposition.

POLYMERIZATION

Polymerization will not occur.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Comply with Federal, State, and local regulations. If approved, flush to sewer or waste treatment plant.

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TRANSPORTATION INFORMATION

SHIPPING INFORMATION(DOT/IMO)

Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Monopersulfate Compound)
Hazard Class	8
UN No.	3260
DOT/IMO Label	Corrosive
Packing Group	III
Shipping Containers	Multiwall Bags Fiber Pack Drums Bulk Bags

REGULATORY INFORMATION

US FEDERAL REGULATIONS

Acute:	Yes
Chronic:	No
Fire:	No
Reactivity:	No
Pressure:	No

LISTS:

SARA Extremely Hazardous Substance -	No
CERCLA Hazardous Material-	No
SARA Toxic Chemical-	No

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OTHER INFORMATION

NFPA, NPCA-HMIS

Health	2
Flammability	0
Reactivity	1

Personal protection rating to be supplied by user depending on use conditions

FOR FURTHER INFORMATION CALL:

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