



BIOVEX ACTIVATOR SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Identifier:

BioVex Activator

Recommended Use:

Activation

Manufactured for:

Bio-Cide International, Inc.
2650 Venture Drive
Norman, Oklahoma 73069
Phone: (405) 329-5556
Fax: (405) 329-2681

Emergency Telephone Number:

Chemtrec for transportation emergencies in the United States, Canada, Puerto Rico, and Virgin Islands 1-800-424-9300; Canutec: 1-613-996-6666 (Canada)

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

White Powder
Chlorine Odor

POTENTIAL HEALTH HAZARDS:**INHALATION:**

Inhalation may cause irritation, coughing, pain, vomiting, nausea, headache, dizziness

SKIN:

Skin contact may cause irritation, burns

EYE: Eye contact with product may cause irritation, irreversible damage.

INGESTION:

Ingestion may cause gastrointestinal damage, even death.

SYSTEMS OF OVER EXPOSURE

Overexposure may cause damage to, disorders of, or adversely affect the following systems, functions, or organs: lung, liver. Overexposure may aggravate disorders of the skin, mucous membranes.

CARCINOGEN STATUS

No components, present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP or OSHA.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance: Proprietary Chlorinated Organic Compound
C.A.S. No: IN TSCA
% by Wt: 100%

SECTION 4: FIRST-AID MEASURES

The following procedures are recommended as emergency first aid only. They are not intended to replace or supplant the treatment advice of a physician or other authorized health care specialist.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If Ingested: Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call a physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point (METHOD): > or = N/A

Flammable limits (% Volume in Air) Upper N/D Lower N/D

EXTINGUISHING MEDIA

Flood with water

FIRE-FIGHTING EQUIPMENT

Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

FIRE-FIGHTING PROCESURES

Prevent human exposure to fire, fumes, smoke and products of combustion. Evacuate non essential personnel.

UNUSUAL FIRE OR EXPLOSIVE HAZARDS

Small amounts of water may cause explosive gas to form.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Avoid dust formation.

Avoid breathing dust.

Ensure adequate ventilation, especially in confined areas.

ENVIRONMENTAL PRECAUTIONS:

Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP:

Keep in suitable, closed containers for disposal.

Clean contaminated surface thoroughly.

SPILL OR LEAK PROCEDURE

In case of spills, contain and dispose of in accordance with Federal, State and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING

Keep away from water or acid. Do NOT get in eyes, on skin or clothing. Wear protective equipment with handling. When diluting, add product slowly to water with agitation. Keep away from children, animals, and unauthorized personnel.

PRODUCT STORAGE

Store in a cool dry place. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

VENTILATION

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection

Chemical goggles. Always wear eye protection when working with chemicals. Do NOT wear contact lenses when working with chemicals.

Skin Protection

Impervious gloves clean protective clothing.

Respiratory Protection

If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

General

Safety shower, eye wash fountain and washing facilities should be readily available

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

General industrial hygiene practice

Do not breathe dust.

Avoid contact with skin, eyes and clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor	Mild
General Physical Form	Solid, powder, crystal, flake, granule, tablet, prill, briquette, etc.
Freezing Point	N/D
Percent Volatile by Volume	N/D
Evaporation Rate	(NA = 1) N/D
Solubility in Water	N/D
Boiling Point	> or = 460 deg. F
Vapor Density	(Air = 1) N/D
Vapor Pressure	(MM HG.) N/D
Specific Gravity	(H(2)O=1): N/D
pH	Aqueous approx. > = 3.00

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable when stored in container under proper conditions.

Materials to Avoid:

Avoid contact with strong reducing agents which include hydrogen, hydrazine, sulfides, sulfites, nitrites, organic nitrogen compounds. Product can form corrosive compounds in the presence of water. Contact with small amounts of water will release poisonous gases.

Conditions to Avoid:

Heat, heated surfaces, static electricity, electric arcs, sparks and flames.

Hazardous Reaction and Decomposition Products:

Exposure to small amounts of water will release poisonous gases.

Hazardous Polymerization:

Hazardous polymerization will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY

No components, present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

If disposed of as is, this product is an RCRA Hazardous waste. Solids must be disposed of in a permitted hazardous waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal and State.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Oxidizing solid, n.o.s. (Contains Chlorine)
Hazard Class: 5.1, UN2468, PGII
Label requirements: Oxidizer
Reportable quantity: None

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA

All product ingredients are in inventory

SARA TITLE 313

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA

If disposed of as is, this product is an RCRA Hazardous waste

CHEMICAL INVENTORIES

This material contains substances listed on the TSCA Inventory.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety data sheet only contains information relating to safety and does not replace any product information or product specification.

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This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Prepared: April 2020