



Material Safety Data Sheet

SECTION 1 : PRODUCT AND MANUFACTURER'S IDENTIFICATION

Company: BIOtech Products, LLC
1578 Sussex Turnpike, Bldg 4
Randolph, New Jersey 07869

Information Phone: 973-598-0044

Product Name: BIOchem C-2 LD100
Product Code: C-2 LD100
CAS# 198840-66-3
Chemical Family: Organo – Titanates – Quat

SECTION 2: COMPOSITION/INFORMATION ON COMPONENTS

Chemical Name: Titanate(2-),bis[P,P-dioctyl diphosphato(2-)-O",O''"] [1,2-ethanediolato(2-)-O,O']-,dihydrogen, branched and linear compd. With N-[3-(dimethylamino) Propyl]-2methyl-2-propensmide (1:2).....100%

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Amber to reddish-brown liquid with an alcoholic odor. It prevents little or No immediate significant hazard if spilled. It presents no unusual hazard if involved in a fire, However, upon thermal decomposition it may emit toxic fumes.

Breathing: This substance has the potential of being a respiratory tract irritant.

Skin Contact: Prolonged or repeated skin contact may cause skin irritation.

Eye Contact: Contact with eyes will cause eye irritation.

Swallowing: Harmful if swallowed.

Inhalation: There is potential for irritation of the respiratory tract.

Long Term Health Effects: Not known

Conditions Aggravated by Exposure: Not known.

Original MSDS: 1978 1st Revision: 01/27/86 2nd Revision: 09/01/97 3rd Revision: 10/27/98
Updated: 03/30/06

Section 4: FIRST AID MEASURES

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get immediate medical attention if irritation or other symptoms develop.

Swallowing: Get immediate medical attention. Never give anything by mouth to an unconscious person.

Breathing: If exposed to excessive levels of vapors or mists, remove to fresh air and get immediate medical attention if cough or other symptoms develop.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point.....85 degrees Fahrenheit.....29 degrees Celsius

Method.....TCC

Lower Explosive Point.....Not determined

Upper-Explosive Point.....Not determined

Auto-Ignition Temperature.....Not determined

Extinguishing Media.....Foam, CO2, Dry Chemical, Water spray.

Firefighting Procedure: Evacuate area and fight fire from a safe distance. Wear self-contained Breathing apparatus pressure demand (MHS/NIOSH approved or equivalent) and full protective Gear.

Special Firefighting Procedure: As with any fire, wear self-contained breathing apparatus Pressure-demand (MHS/NIOSH approved or equivalent) and full protective gear. Use caution When using water as frothing may occur and thereby increasing fire intensity.

Unusual Fire and explosion Hazards...May emit toxic fumes upon thermal decomposition.

Sensitivity to Explosion by Mechanical Impact.....None

Sensitivity to Explosion by Static Discharge.....Potential exists

Conditions of Flammability....Material will burn-avoid sources of ignition and also avoid Temperatures that are within range of the flash point.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General...This material should be prevented from contaminating soil for from sewerage and Drainage systems and bodies of water. Isolate hazard/spill area. Keep unnecessary and Unprotected personnel from enter area.

Small Spill...Absorb spill with inert material, then place in a chemical waste container.

Large Spill...Shut off leak, if safe to do so. Clean up spills immediately, observing precautions In Protective Equipment Section. Contain spilled liquid with sand and earth.

Retain all contaminated water and soil for removal and treatment.

SECTION 7: HANDLING AND STORAGE

Handling...Although this material does not present a significant skin or eye hazard, skin and Eye contact should be prevented as good industrial hygiene practice. Wearing of protective Gloves and eye protection is recommended. Always establish the practice of washing arms and Hands, as with any chemical, after handling.

Storage...Store in a cool, dry and ventilated area. Avoid contact or exposure to incompatible Substances. Also avoid those areas where there are ignition sources.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Exposure Levels:

| Component | OSHA | | ACGIH | |
|-----------|-----------------|------|-----------------|------|
| | TWA | STEL | TWA | STEL |
| | Not established | | Not established | |

Engineering Controls: Source(s) of fine spray, mist or vapor should be controlled with local Exhaust ventilation.

Respiratory Protection: A NIOSH/MHSA approved air purifying respirator may be permissible Under certain circumstances where airborne concentrations are expected to exceed exposure Limits, if established. Consult with respirator's manufacturer to determine the appropriate type Of equipment for a given application. 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 not known, or any other circumstances where air purifying Respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions Warrant a respirator's use.

Eye/Face Protection: Always use safety glasses. Where contact with the eyes is likely, use Chemical goggles. Use a face shield as needed.

Skin Protection: Wear impervious gloves and chemical protective clothing, including impervious Sleevelets, overalls, aprons, or boots as needed to prevent contact with skin.

