

Valent BioSciences

VectoLex[®] CG

Biological Larvicide

Material Safety Data Sheet

Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Emergency Health or Spill Telephone Numbers:

Outside the United States: 651-632-6184

Within the United States: 877-315-9819

Issue Date:	04/09/01
List/Code:	5722/16025
DOT Classification:	Not Regulated
EPA Registration No.:	73049-20
Emergency Overview:	This material may be a skin or eye irritant.
NFPA:	Health - 0; Fire - 1; Reactivity - 0

COMPOSITION / INGREDIENTS

Ingredient Name:	<i>Bacillus sphaericus</i> Serotype (H-5a5b), strain 2362	Inert Ingredients*
Concentration %:	7.5%	92.5%
CAS/RTECS Numbers:	N/A / N/A	N/A / N/A
OSHA-PEL 8HR TWA:	N/L	N/L
STEL:	N/L	N/L
Ceiling:	N/L	N/L
ACGIH-TLV 8HR TWA:	N/L	N/L
STEL:	N/L	N/L
Ceiling:	N/L	N/L
OTHER 8HR TWA:	N/A	N/A
LIMITS STEL:	N/A	N/A
Ceiling:	N/A	N/A

* Identity withheld as a Trade Secret

HEALTH CONSIDERATIONS

Route(s) of Entry:	Skin: N/D Inhalation: N/D Ingestion: N/D
Carcinogenicity Rating:	NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L None
Signs and Symptoms:	N/D. Data suggest mild skin or eye irritation.
Medical Conditions Aggravated by Exposure:	N/D. Data suggest pre-existing skin or eye lesions.
Oral Toxicity:	N/D. LD50 > 5,000 mg/kg in rats for <i>Bacillus sphaericus</i> Technical Powder.
Dermal Toxicity:	N/D. LD50 > 2,000 mg/kg in rabbits for <i>Bacillus sphaericus</i> Technical Powder.
Inhalation Toxicity:	N/D. <i>Bacillus sphaericus</i> Technical Powder was not lethal in an inhalation study at the maximum attainable concentration of 0.09 mg/ltr/4 hours.
Corrosiveness:	N/D
Dermal Irritation:	Mildly irritating in a skin irritation test in rabbits; two animals with slight redness at 24 hours.
Ocular Irritation:	Mild to moderate redness with mild swelling and slight discharge in an eye irritation test in rabbits.
Dermal Sensitization:	N/D
Target Organs:	N/D
Special Target Organ Effects:	N/D
Carcinogenicity Information:	N/D

EMERGENCY AND FIRST AID PROCEDURE

Eyes/Skin: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Ingestion/

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

FIRE FIGHTING PROCEDURES

Flash Point:	N/A
Lower Explosive Limit (%):	N/D
Upper Explosive Limit (%):	N/D
Autoignition Temperature:	N/D
Fire and Explosive Hazards:	N/D
Extinguishing Media:	Use appropriate medium for underlying cause of fire.
Fire Fighting Instructions:	Wear protective clothing and self-contained breathing apparatus.

SAFE HANDLING, USE, STORAGE, and DISPOSAL

Handling:	N/D
Storage:	Store in cool, dry place.
Special Precautions:	Wash thoroughly with soap and water after handling.
Spill or Release Procedures:	Recover product, place into appropriate container for disposal. Avoid dust. Ventilate and wash spill area.
Disposal:	Dispose in accordance with state, local and federal regulations.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Granules
Odor:	Characteristic Odor
Boiling Point:	N/A
Melting/Freezing Point:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (Air=1):	N/A
Evaporation Rate:	N/D
Bulk Density:	N/A
Specific Gravity:	N/D
Solubility:	Partially suspends/soluble in water
pH:	N/A
Viscosity:	N/A

LEGEND

N/A = Not Applicable

L = Listed

ltr = liter

N/D = Not Determined

S = Short Term

N/L = Not Listed

C = Ceiling

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