

**VECTOLEX® WDG**

MSDS# BIO-0035 Rev. 1  
ISSUED 12/23/03

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MATERIAL NAME:** VectoLex® WDG

EPA Registration No.: 73049-57

Code Number: 82835

List Number: 60201

**SYNONYMS:** VectoLex® WG

**MANUFACTURER:**

Valent BioSciences Corporation

870 Technology Way, Suite 100

Libertyville, Illinois 60048

**EMERGENCY TELEPHONE NUMBERS**

**Emergency Health or Spill:**

Outside the United States: 651-632-6184

Within the United States: 877-315-9819

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**INGREDIENT NAME:** Bacillus sphaericus

**CONCENTRATION:** 51.20%

**CAS NUMBER:** N/A

**OSHA-PEL**

8HR TWA: N/L

STEL: N/L

CEILING: N/L

**ACGIH-TLV**

8HR TWA: N/L

STEL: N/L

CEILING: N/L

**OTHER LIMITS**

8HR TWA: N/A

STEL: N/A

CEILING: N/A

**INGREDIENT NAME:** Other/Inert Ingredients - identity withheld as a Trade Secret

**CONCENTRATION:** 48.80%

**CAS NUMBER:** N/A

**OSHA-PEL**

8HR TWA: N/L

STEL: N/L

CEILING: N/L

**ACGIH-TLV**

8HR TWA: N/L

STEL: N/L

CEILING: N/L

**OTHER LIMITS**

8HR TWA: N/A

STEL: N/A

CEILING: N/A

**3. HAZARDS INFORMATION**

**EMERGENCY OVERVIEW:** Product is non-toxic by ingestion, skin contact, or inhalation. Direct contact with eyes may cause mild irritation.

**ROUTE(S) OF ENTRY:**

Skin: No

Inhalation: No

Ingestion: No

**SKIN CONTACT:** Non-irritant

**SKIN SENSITIZATION:** Non-sensitizer

**EYE CONTACT:** Non-irritant

**TARGET ORGANS:** N/D

**CARCINOGENICITY RATING:**

NTP: N/L

IARC: N/L

OSHA: N/L

ACGIH: N/L

None

**SIGNS AND SYMPTOMS:** Direct contact with eyes may cause mild irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** N/D

**4. FIRST AID MEASURES**

**EYES:** 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.

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

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

**5. FIRE FIGHTING PROCEDURES**

**FLASH POINT:** N/A

**FLASH POINT METHOD:** N/A

**LOWER EXPLOSIVE LIMIT(%):** N/A

**UPPER EXPLOSIVE LIMIT(%):** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**FIRE & EXPLOSION HAZARDS:** Non-flammable and no explosive properties.

**EXTINGUISHING MEDIA:** Use appropriate medium for the underlying cause of the fire.

**FIRE FIGHTING INSTRUCTIONS:** Wear protective clothing and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL OR RELEASE PROCEDURES:** Recover product and place in an appropriate container for disposal. Avoid breathing dust. Ventilate and wash the spill area.

**7. HANDLING AND STORAGE**

**HANDLING:** N/D

**STORAGE:** Store product in closed container in a cool and dry place.

**SPECIAL PRECAUTIONS:** N/D

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use local exhaust.

**RESPIRATORY PROTECTION:** Not usually required. If necessary, use a MSHA/NIOSH approved (or equivalent) respirator with a dust/mist filter. Mixer/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

**SKIN PROTECTION:** Impervious gloves, clothing to minimize skin contact.

**EYE PROTECTION:** Not usually required. If necessary, use safety glasses or goggles.

**OTHER PROTECTION:** Wash thoroughly with soap and water after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE/PHYSICAL STATE:** Fine brown granules

**ODOR:** Faint organic/malt/musty 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/A

**BULK DENSITY:** 0.4 ± 0.1 g/mL

**SPECIFIC GRAVITY:** N/D

**SOLUBILITY:** Suspends readily in water.

**pH:** 4.5-6.5 as an aqueous solution.

**VISCOSITY:** N/A

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable. No oxidizing or reducing properties.

**INCOMPATIBILITIES:** Alkalinity inactivates product.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None that are known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**ORAL LD50:** LD50 (rat) > 5,050 mg/kg

**DERMAL LD50:** LD50 (rabbit) > 5,050 mg/kg

**INHALATION LC50:** No lethality was observed in rats after a 4 hour exposure at the highest obtainable inhalation exposure chamber concentration.

**CORROSIVENESS:** N/D. Not expected to have any corrosive properties.

**DERMAL IRRITATION:** Transient, slight or mild irritation noted in a dermal toxicity study with this product.

**OCULAR IRRITATION:** Transient, redness and conjunctival irritation observed in test animals in a study with this product. No positive ocular effects were observed. Classified as a mild irritant.

**DERMAL SENSITIZATION:** In a study with this product, no skin sensitization was observed.

**SPECIAL TARGET ORGAN EFFECTS:** N/D

**CARCINOGENICITY INFORMATION:** N/D. None of the components are classified as carcinogens.

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** N/D

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** Dispose of product in accordance with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT**

STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

**IATA/ICAO**

STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

**IMO**

STATUS: Not Regulated

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

FLASH POINT: N/D

**15. REGULATORY INFORMATION**

**TSCA STATUS:** Exempt

**CERCLA STATUS:** N/D

**SARA STATUS:** N/D

**RCRA STATUS:** N/D

**PROP 65 (CA):** N/D

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** Updated Hazard Information (Section 3) and Toxicological Information (Section 11).

**APPROVAL DATE:** 12/23/03

**SUPERSEDES DATE:** 06/12/01

**LEGEND:**

N/A = Not Applicable

N/D = Not Determined

N/L = Not Listed

L = Listed

C = Ceiling

S = Short-term

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