R)	MATERIAL S	SAFETY DAT	A SHEET	PAGE 1
VECTOMAX [®] MSDS# BIC	FG)-0451 Rev				ISSUED 10/09/14
1. CHEMI	CAL PRODUC	CT AND COMPA	ANY IDENTI	FICATION	
MATERIAL	NAME: VEC	IOMAX [®] FG			
ALTERNATE		ECTOMAX [®] G; Registratic			
MANUFACTU	870	ent BioScier Technology ertyville, I	Way		
Outs		E NUMBERS nited States ited States:			
2. COMPC	SITION/IN	FORMATION ON	J INGREDIE	NTS	
CAS/RTECS INGREDIEN CONCE CAS/RTECS OSHA-PEL	IT NAME:Bac INTRATION:	N/A / N/A cillus thuri 4.5% N/A / N/A N/L N/L N/L N/L N/L	Ingiensis	subsp. <i>isreale</i>	e <i>nsis</i> ,strain AM65-52
OTHER	8HR TWA:	N/A			
LIMITS INGREDI	STEL: CEILING: ENT NAME:	N/A		identity with	held as a Trade
CAS/RTECS	ENTRATION: 5 NUMBERS: 8HR TWA: STEL:	92.8% N/A / N/A N/L			
ACGIH-TLV	CEILING: 8HR TWA: STEL: CEILING:	N/L N/L N/L			
OTHER LIMITS	8HR TWA: STEL:	N/A			

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2. COMPOSITION/INFORMATION ON INGREDIENTS, continued

EEC (European Community): N/A Symbol Designation: N/A Risk Phrases: N/A Safety Phrases: N/A

3. HAZARDS INFORMATION

EMERGENCY OVERVIEW: Harmful if absorbed through the skin. Causes moderate eye irritation. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

SKIN CONTACT: Non-irritant

SKIN SENSITIZATION: Repeated exposure to high concentrations may cause allergic sensitizations.

EYE CONTACT: Causes moderate eye irritation.

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 or skin 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/D UPPER EXPLOSIVE LIMIT(%): N/D AUTOIGNITION TEMPERATURE: N/D

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

- EXTINGUISHING MEDIA: Use appropriate medium for underlying cause of fire.
- FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.
- 6. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE PROCEDURES: Recover product. Place into appropriate container for disposal. Avoid dust. Ventilate and wash spill area.

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7. HANDLING AND STORAGE

HANDLING: N/D.

STORAGE: Store in a cool, dry place.

SPECIAL PRECAUTIONS: N/A

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust.

RESPIRATORY PROTECTION: Not usually required. However, mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist 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: Yellow/brown garanular solid ODOR: None discernible 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 DENSITY: 32 ± 3 lbs/cu. ft. SPECIFIC GRAVITY: N/D SOLUBILITY: Not soluble in water pH: ~ 5 (1% dispersion in water) VISCOSITY: N/A

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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITIES: Alkalinity inactivates product.

HAZARDOUS DECOMPOSITION PRODUCTS: N/D.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

ORAL LD50: N/D LD50 (rat) > 5,000 mg/kg for a similar formulation.

DERMAL LD50: N/D LD50 (rabbit) > 5,000 mg/kg for a similar formulation.

INHALATION LC50: N/D.

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

- DERMAL IRRITATION: N/D. Transient, slight or mild irritation noted in a dermal toxicity study with a similar formulation.
- OCULAR IRRITATION: N/D. A similar formulation was mildly irritating in an eye irritation test in rabbits.

DERMAL SENSITIZATION: Study conducted with this formulation presented no sensitization.

SPECIAL TARGET ORGAN EFFECTS: N/D

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

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Studies conducted on the two active ingredients has not shown adverse effects on birds, fish or bees.

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13. DISPOSAL CONSIDER	ATIONS	
-	table water, food or feed by in accordance with federal,	
_	S: : Wastes resulting from use e or at an approved waste di	
Then dispose of em	: Completely empty bag into pty bag in a sanitary landfi State and local authorities,	ll or by incineration,
14. TRANSPORTATION IN	FORMATION	
DOT STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY:	N/A N/A N/A	
IATA/ICA0 STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY:	N/A N/A N/A	
IMO STATUS: PROPER SHIPPING NAME: HAZARD CLASS: UN NUMBER: PACKING GROUP: REPORTABLE QUANTITY: FLASH POINT:	N/A N/A N/A	

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15. REGULATORY INFORMATION							
TSCA STATUS: Exempt	RCRA STATUS: N/D						
CERCLA STATUS: N/D	PROP 65 (CA): N/D						
SARA STATUS: N/D							
<pre>16. OTHER INFORMATION REASON FOR ISSUE: Strain number add APPROVAL DATE: 10/09/14 SUPERSEDES DATE: 08/20/12 LEGEND: N/A = Not Applicable N/D = Not Determined N/L = Not Listed L = Listed C = Ceiling S = Short-term (R) = Registered Trademark of (TM) = Registered Trademark</pre>	f Valent BioScience						

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