



Safety Data Sheet

Vectorite with CR7

Document #: MSDS-03, NA/EN

Revision: 01

Issue Date: 2016-11-24

Status: Approved

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier: Vectorite with CR7

Trade name / designation: Vectorite with CR7, CR7 with Vectorite, CR7-Vectorpak

Other means of identification: BVT-Cr7, CR-7; CR-7 Technical on Vectorite, *Clonostachys Rosea* Strain 7 with Vectorite, CR7 Fungal Spores, CR7 Endophyte;

Other Registration Number: Not Available

Formulation number: BVT-FORMULA – 03

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Bio-fungicide, Plant Amendment

Uses Advised Against: Not applicable

1.3 Details of the supplier of the safety data sheet:

Supplier:

Name: Bee Vectoring Technology Inc.

Address: 4160 Sladeview Crescent
Mississauga, Ontario
L5L 0A1

Information Contact: Slawomir Bialoskorski

Email: sbialoskorski@beevt.com

1.4 Emergency Telephone Number: Not applicable

SECTION 2 – HAZARD IDENTIFICATION

2.1 Classification of the Substance or the Mixture: Not applicable

2.2 Label Element: Not applicable

2.3 Other Hazards:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic: No information found.

Precautionary Statements:

Avoid breathing dust, mist, spray.

Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Identity of Ingredients: Clonostachys Rosea Strain CR7 & inert ingredients

Ingredient concentration in units of wt./wt., vol./vol. or wt./vol. expressed as actual concentration:

Minimum Spore Concentration Per Gram is 3×10^8

Ingredients with unknown toxicological properties: None

Ingredients the supplier believes may be harmful: None

Generic chemical identity and Registry Number for trade secret ingredients registered under the Hazardous Materials

Information Review Commission: None

Exposure limits for ingredients: None



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SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures:

EYES: Remove contact lenses if present; hold eye open and rinse slowly and gently with water for 15-20 minutes;

SKIN: Wash off with soap and water. Remove and wash contaminated clothing before reuse. Do not use solvents or thinners.

INGESTION: Give person large amount of water to drink. Do not induce vomiting

INHALATION: Move person into fresh air. Drink water to clear throat and blow nose to evacuate dust.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: none

4.3 Indication of Any Medical Attention and Special Treatment Needed: none

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishable Media: None, not combustible; Use agent most appropriate to extinguish surrounding fire.

Flash point and method: Not applicable

Upper and lower flammable (explosive) limits in air (% by volume): Not applicable

Auto ignition temperature: Not applicable

Hazardous combustion products: Not applicable

Conditions under which flammability could occur: None

Sensitivity to explosion by mechanical impact: Not applicable

Sensitivity to explosion by static discharge. Not applicable

5.2 Special Hazards Arising from The Substance or Mixture: None

5.3 Advice for Firefighters: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures: Wear protective clothing, eye protection, gloves during clean up; after clean up remove protective equipment, and wash hands before eating, smoking, drinking, or using the toilet.

6.2 Environment Precautions: none

6.3 Methods and Material for Containment and Cleaning Up: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Packaging which contains leftovers from the product must be disposed of in the same way as the product.

6.4 Reference to Other Sections: none



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SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid dust formation and inhalation of dusts and mists. Avoid eye contact and prolonged skin contact. Keep out of reach of children, unauthorized persons and animals. Wear protective clothing and after work, remove protective equipment, wash hands before eating, smoking, drinking, or using the toilet. Clean up clothes, equipment, and work area after use.

7.2 Conditions for Safe Storage, including any Incompatibilities: Store in original container in a refrigerated 4°C secured area. Keep separate from other products to prevent cross contamination. Avoid excessive moisture and humidity build up in the storage areas. Contact with synthetic fungicides may reduce effectiveness of the product.

7.3 Specific End Use: This product contains a beneficial microorganism (*Clonostachys Rosea*, Strain CR7) used to colonize plant tissues to promote plant growth and provide protection from plant diseases listed on the product label. CR7 with Vectorite is designed for use with Pollinating Bumblebees.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Ensure work areas have adequate ventilation, containment, and procedures sufficient to avoid dust formation.

8.2 Exposure Controls

Develop written safety and inspection procedures. Warehouses, production areas, parking lots and waste holding facilities must have adequate containment to prevent environmental contamination. Provide separate shower and eating facilities. Only CE-marked (European Conformity- marked) personal protection equipment should be used.

Respiratory protection: In case of inadequate ventilation use respiratory protection (FFP3 recommended).

Hand protection: Use protective gloves (Nitrile rubber standard or equivalent recommended). Gloves should be selected in consultation with the glove supplier, with information on effects from other chemical substances in the work place.

Body protection: Wearing dust protective clothing is recommended.

Eye protection: Tightly sealed goggles or face shield. (EN 166 compliant)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Light Gray colored powder

Odor: Slight chalk scent

Physical state: Powder

pH: Not applicable

Vapor pressure and reference temperature: Not applicable

Vapor density: Not applicable

Boiling point: Not applicable

Freezing/Melting point: do not freeze. Store at 2° to 5°C

Density: 0.4 gms/cc

Evaporation Rate: Not applicable

Water/oil partition coefficient: Not applicable

Odor threshold: Not applicable

Viscosity: Not applicable

9.2 Other Information: none



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SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity: not reactive; stable under conditions listed on the product label

10.2 Chemical Stability: stable at 4°C - 10°C for long term storage; bioactivity decreases in very hot (over 35°C), and freezing temperatures

10.3 Possibility of Hazardous Reactions: not applicable

10.4 Conditions to Avoid: avoid formations of dust

10.5 Incompatible Materials: synthetic fungicide may reduce bioactivity of this product

10.6 Hazardous Decomposition Products: none

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

LD50 (species and route):

Rat > 5000 mg/kg (oral)

Rat >5050 mg/kg (dermal)

LC50 (species) Not determined

Irritation data: This product may irritate human eyes following contact.

Sensitization: This product is not expected to cause sensitization.

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Teratogenicity: Not classified

Mutagenicity: Not classified

Chronic exposure: None

Other materials that show synergistic toxic effects together with the product: None known

SECTION 12 - ECOLOGICAL INFORMATION

No data is available on this product

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal information: Do not reuse containers. Rinse thoroughly. Consult local environment authority for advice on waste disposal of empty containers. All recovered material must be packaged, labeled, transported and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with local and state laws. Reclaim where possible.

SECTION 14 - TRANSPORT INFORMATION

Shipping information such as shipping classification: this product is not classified as dangerous of transport.

Ship and store away or properly separated from food, feed, cosmetics, and medical supplies to avoid cross contamination.

SECTION 15 - REGULATORY INFORMATION

Not applicable

SECTION 16 - OTHER INFORMATION

HMIS RATINGS: HEALTH: 0

FLAMMABILITY: 0

REACTIVITY 0.

NFPA RATINGS: HEALTH: 0

FLAMMABILITY: 0

REACTIVITY 0.



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The information contained herein is offered only as a guide to the handling of this specific product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. It is the users responsibility to satisfy himself or herself as to the suitability and completeness of such information for his or her own particular use. No warranty of any kind is given or implied.

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