

Madex HP

Last review 29/03/2021 PCP# n/a

Section 1	Identification of the mixture and	of the Company
1.1	Product identifier	a of the company
1.1	Product Name	Madex HP
	Active Ingredient	Cydia pomonella granulovirus isolate V22
1.2	Relevant identified uses of the m	, .
1.2	Use of the product	Biological Insecticide
	Uses advised against	N/A
1.3	Details of the supplier of the Safe	·
1.5	Supplier	Andermatt Canada Inc.
	Address	1350 Regent Street
	, tadi ess	Fredericton, New Brunswick Canada E3C 2G6
	Phone	+1 (506) 444-5690
	E-mail	info@andermattcanada.ca
1.4	Emergency Telephone Number	into@andermattcanada.ca
1.4	Phone (medical)	1-888-870-6444
	. Hone (medical)	1 000 070 0444
Section 2	Hazards Identification	
2.1	Classification of the mixture	
		Not Classified; No hazardous components
2.2	Label elements	
		IN THE CASE OF EYE CONTACT: Rinse cautiously with water for
		several minutes. Removing existing contact lenses if possible.
		Continue rinsing.
		Keep out of the reach of children.
		Store locked up.
		To avoid risks to human health and the environment, comply with the
		instructions for use.
		Contains Cydia pomonella granulovirus. May produce an
		allergic reaction.
		Potential Sensitizer
		CAUTION – Eye irritant
2.3	Other hazards	
		This mixture does not contain any substances, which are persistent,
		bioaccumulative and toxic (PBT).
		This mixture does not contain any substance which are very persistent,
		and bioaccumulative (vPvB).
Section 3	Composition/Information on Ing	radients
3.1	Substances	greaterits
3.1	Substances	This product is a mixture
3.2	Mixtures	p. 00000 a minera
		Cydia pomonella granulovirus
		No hazardous component.
Section 4	First Aid Measures	
4.1	Description of first aid measures	
		Dago 1 of 6



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General Notes Change any contaminated or wetted clothing at once. If poisoning

occurs contact a doctor.

Following Inhalation Only possible by exposure to HOT product. Move to fresh air, rest, half

upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice after significant exposure.

Treat symptomatically is advised.

Following skin contact Remove contaminated clothing. Seek medical advice if irritation

develops. Wash clothes before reuse. After contact with skin, wash

immediately with plenty of water.

Following eye contact Rinse thoroughly with plenty of water for several minutes. Eyelids

should be held away from the eyeball to ensure thorough rinsing.

Following ingestion No typical symptoms and affects known

4.2 Most important symptoms and effect, both acute and delayed

No typical symptoms and effects known.

4.3 Indication of any immediate medical attention and special treatment needed.

None.

Section 5	Firefighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media Unsuitable extinguishing media	Water mist, alcohol resistant foam, carbon dioxide, dry powder Water-jet, foam
5.2	Special hazards arising from the mixture	
		Vapors cause coughing At elevated temperatures (>200°C), there is a risk of exothermic polymerization. At temperatures, >280°C, acrolein may be formed.
5.3	Advice for firefighters	

Section 6	Accidental release measures

(6.1	Personal precautions, protective equipment and emergency procedures	
			Use protective clothing. Do not inhale.
(6.2	Environmental precautions	
			Prevent entry into drains, waters, sewages, etc. of the product; contact immediately the municipal technical management if the product enters such bodies.
(6.3	Methods and material for containment and cleaning up	
			Use absorbent material to collect spillage (eg. Sawdust, peat, chemical

Use absorbent material to collect spillage (eg. Sawdust, peat, chemical Binder). Place contaminated absorbent in closable containers. Use a damp cloth to clean floors and other objects after removal of contaminated absorbent. Also place used cleaning materials into closable receptacles.

Avoid contact with oxidizing agents. Cool closed containers with water.

6.4 Reference to other sections

See personal protective equipment under Section 8 of SDS.

Section 7 Handling and Storage



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7.1 Precautions for safe handling

The usual precautions for handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Store in original package only. Store in refrigerator (<5°C) for two years.

Store at -18°C for years without any loss of activity.

7.3 Specific end use(s)

Biological Insecticide.

Section 8 Exposure controls/personal protection

8.1 Control parameter

The usual precautionary measures for handling chemicals should be

observed.

8.2 Exposure controls

Eye/Face Protection Use goggles

Skin Protection Use Protective Clothing

Respirator Protection A NIOSH approved mist filtering mask or respirator with any N-95, P-95

or R-95 filter.

Thermal Hazards No specific recommendations

Other information None

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State Liquid (20°C)
Color Grey-brown
Odor Characteristic
Odor Threshold Not determined

pH 6-7

Melting point/freezing point Not determine (not freezing at -18°C)

Initial boiling point and boiling 103-290°C

range

Flash Point Not determined up to 101°C

Evaporation Rate Not determined Flammability Not flammable Upper/Lower flammability Not flammable

or explosive limits

Vapor Pressure
Vapor Density
Relative Density
Solubility(ies)
Partition coefficient: nNot determined
Not relevant
1.16 g/mL
Soluble in water
Not determined

cotanol/water

Auto-ignition temperature Not determined

Decomposition temperature >200°C
Viscosity 1200 mPa x s
Explosive Properties Non explosive
Oxidising properties Not oxidizing



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9.2	Other Information	

None

Section 10	Stability and Reactivity	
10.1	Reactivity	
		Not reactive
10.2	Chemical stability	
		No decomposition if stored and handled properly
10.3	Possibility of hazardous reactions	
		None relevant
10.4	Conditions to avoid	
		Temperature >200°C (polymerization, decomposition)
10.5	Incompatible materials	
		Avoid contact with oxidizing agents
10.6	Hazardous decomposition produc	rts
		Acrolein (>280°C)

Section 11	Toxicological	Information
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11.1 Information of toxicological effects

Acute toxicity Rat, oral, 5x10⁹ granules/kg BW (AcNPV), no adverse effects

Skin corrosion/irritation Rabbit, contact, 0.5mL/animal (2.2x10¹³ granula of CpGV/L) for 4 hours,

no adverse effect

Serious eye damage/irritation Rabbit, contact, 0.1mL/eye (2.2x10¹³ granula of CpGV/L) for 24 hours,

non-irritating

Respiratory or skin sensitization Guinea pig, inhalation, 35 mg CpGV (7x10⁸ granules) per m³ for 15 mins,

no adverse effects

Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT-single exposure
STOT-repeated exposure
Aspiration hazard
Not determined
Not classified
Not existing
Not existing
Not relevant

Section 12 Ecological Information

12.1 Toxicity

Acute (short-term) toxicity

Fish Oncorhynchus mykiss, 96 hours $LC_{50} > 100 \text{mg/L} = 2.0 \times 10^9 \text{ CpGV/L}$

Crustacea $Daphnia\ magna,\ 48\ hours\ LC_{50} > 100 mg/L = 2.0 x 10^9\ CpGv/L$

Algae/aquatic plants Scenedesmus subspicatus, 72 hours $EC_{50} > 100 \text{mg/L} = 2.0 \times 10^9 \text{ CpGV/L}$

Other organisms $Lemna\ gibba$, 7 day $EC_{50} > 100 \text{mg/L} = 3.1 \text{x} 10^9 \text{ CpGV/L}$

Chronic (long-term) toxicity

Fish No data available
Crustacea No data available
Algae/aquatic plants No data available
Other organisms No data available

12.2 Persistence and degradability



Not determined

Not determined

Not determined

Not determined

state and does not accumulate.

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Abiotic Degradation pH
Physical and photo-chemical UV light
elimination
Biodegradation Soil microflora

12.3 Bioaccumulative potential

Octanol/water partition

coefficient (Kow)

Bioconcentration factor (BCF)

12.4 Mobility in Soil

Known or predicted distribution to

environmental compartments

Surface tension Absorption/desorption

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

CpGV persists in the soil for a fairly long period in the immobilized

12.6 Other adverse effects

None

12.7 Additional information

None

Section 13 Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Triple-or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for use. Dispose of the container in accordance with provincial regulations. For information on disposal of unused, unwanted product, contact the supplier or the provincial regulatory agency. Contact the supplier or the provincial regulatory agency in cause of a spill, and for clean-up of spills.

Waste codes/waste designations according to

LoW

Waste treatment-relevant

information

None

Not applicable

Sewage disposal-relevant

information Other disposal Recommendations Waste should not be disposed of by release to sewers

None

Section 14 Transport Information

Inland Transportation Not restricted
Sea Transportation Not restricted



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	Air Transportation	Not restricted
Section 15	Regulatory Information	
15.1	Safety, health and environmental	regulations/legislation specific for the mixture
	Authorizations	Not relevant
	Restrictions on use	Not relevant
15.2	Chemical Safety Assessment	
		No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Section 16	Other Information	
		This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for their special use of this product.
	Indication of Changes	
	Date of Review Composed by	March 29, 2021 Laura Forbes, International Business & Regulatory Affairs Manager Andermatt Canada Inc.