

Section 1 Identification of the mixture and of the Company	
1.1	Product identifier
	Product Name Spodovir
	Synonyms n/a
1.2	Relevant identified uses of the mixture and uses advised against
	Use of the product Biological Insecticide
	Uses advised against N/A
1.3	Details of the supplier of the Safety Data Sheet
	Supplier Andermatt Canada Inc.
	Address 1350 Regent Street Fredericton, New Brunswick Canada E3C 2G6
	Phone +1 (506) 444-5690
	E-mail info@sylvar.ca
1.4	Emergency Telephone Number
	Phone (medical) 1-888-870-6444
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 <i>Spodoptera frugiperda</i> nucleopolyhedrovirus. May produce an allergic reaction. Potential Sensitizer
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 Ingredients	
3.1	Substances
	This product is a mixture
3.2	Mixtures
	<i>Spodoptera frugiperda</i> nucleopolyhedrovirus No hazardous component.
Section 4 First Aid Measures	
4.1	Description of first aid measures

General Notes	Change any contaminated or wetted clothing at once. If poisoning occurs contact a doctor.
Following Inhalation	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
Advice to physician	Treat symptomatically

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 Water mist, alcohol resistant foam, carbon dioxide, dry powder
Unsuitable extinguishing media 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
Avoid contact with oxidizing agents. Cool closed containers with water.

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 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.

6.4 Reference to other sections
See personal protective equipment under Section 8 of SDS.

Section 7 Handling and Storage

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

Powder (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 range

105-290°C

Flash Point

Not determined up to 101°C

Evaporation Rate

Not determined

Flammability

Not flammable

Upper/Lower flammability or explosive limits

Not flammable

Vapor Pressure

Not determined

Vapor Density

Not relevant

Relative Density

Not determined

Solubility(ies)

Insoluble in water

Partition coefficient: n-cotanol/water

Not determined

Auto-ignition temperature

Not determined

Decomposition temperature

>200°C

Viscosity

Not determined

Explosive Properties

Non explosive

Oxidising properties

Not oxidizing

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 products	Acrolein (>280°C)

Section 11 Toxicological Information

11.1	Information of toxicological effects	
	Acute toxicity	Not determined
	Skin corrosion/irritation	Not determined
	Serious eye damage/irritation	Not determined
	Respiratory or skin sensitization	Not determined
	Germ cell mutagenicity	Not determined
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
	STOT-single exposure	Not existing
	STOT-repeated exposure	Not existing
	Aspiration hazard	Not relevant

Section 12 Ecological Information

12.1	Toxicity	
	Acute (short-term) toxicity	
	Fish	<i>Oncorhynchus mykiss</i> , 96 hours LC ₅₀ > 100mg/L = 2.0x10 ⁹ CpGV/L
	Crustacea	<i>Daphnia magna</i> , 48 hours LC ₅₀ > 100mg/L = 2.0x10 ⁹ CpGv/L
	Algae/aquatic plants	<i>Scenedesmus subspicatus</i> , 72 hours EC ₅₀ > 100mg/L = 2.0x10 ⁹ CpGV/L
	Other organisms	<i>Lemna gibba</i> , 7 day EC ₅₀ >100mg/L = 3.1x10 ⁹ 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	
	Abiotic Degradation	pH
	Physical and photo-chemical elimination	UV light
	Biodegradation	Soil microflora

12.3 Bioaccumulative potential

Octanol/water partition coefficient (K_{ow}) Not determined

Bioconcentration factor (BCF) Not determined

12.4 Mobility in Soil

Known or predicted distribution to environmental compartments SfMNPV persists in the soil for a fairly long period in the immobilized state and does not accumulate.

Surface tension Not determined

Absorption/desorption Not determined

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.

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 Not applicable

Waste treatment-relevant information None

Sewage disposal-relevant information Waste should not be disposed of by release to sewers

Other disposal Recommendations None

Section 14 Transport Information

Inland Transportation Not restricted

Sea Transportation Not restricted

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

February 11, 2021

Composed by

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