

# MATERIAL SAFETY DATA SHEET — 16 Sections

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: <b>Snomax Snow Inducer (SMXIN)</b>		[WHMIS Classification] NA	
Product Use: A Snow Inducer used to make snow, using less water, less energy and resulting in higher quality snow.			
Manufacturer's Name: <b>Snomax International</b>		Supplier's Name: <b>Snomax International</b>	
Street Address: <b>8465 Concord Center Dr. #200</b>		Street Address: <b>8465 Concord Center Dr. #200</b>	
City: <b>Englewood</b>	State: <b>Colorado</b>	City: <b>Englewood</b>	State: <b>Colorado</b>
Postal Code: <b>80112</b>	Emergency Telephone: <b>585-732-5390</b>	Postal Code: <b>80112</b>	Emergency Telephone: <b>585-732-5390</b>
Date MSDS Prepared: 01/01/2019		MSDS Prepared By: Wayne Palmiter	Phone Number: <b>585-732-5390</b>

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	OSHA	ACGIH TLV	Other Limits Recommended
Inactivated <i>Pseudomonas syringae</i> (Ps 31a) Protein	100	None	None	None

## SECTION 3 — HAZARDS IDENTIFICATION

[Emergency Overview] Snomax is a dry powder and like most dry powder you should avoid getting them in your eyes, open cuts or breathing any dust that is created during handling of the product
[WHMIS Symbols] NA
[Potential Health Effects] Discomfort and possible scratches to the eyes surface if the Snomax powder gets in the eyes. Coughing or scratchy throat when exposed to large quantities of the Snomax dust.
[Route of Entry] <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion

## SECTION 4 — FIRST AID MEASURES

Skin Contact: Wash with clean water
Eye Contact: Rinse with water or saline solution if there is discomfort or redness to the eye seek medical attention
Inhalation: This product is produced in pellet form, and as such, is a low hazard for dust generation. Breathing of dust may cause coughing and throat irritation. Remove from further exposure and if coughing or scratchy throat persist seek medical attention
Ingestion: Amounts which will be swallowed incidental to industrial handling are not likely to cause injury. Rinse mouth and throat thoroughly with water

57M6 (6/15)

*Please continue on reverse side*



## SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction: NA		
Flashpoint (° C) and Method: NA	Upper Flammable Limit (% by volume): NA	Lower Flammable Limit (% by volume): NA
Auto ignition Temperature (°C): NA	Explosion Data — Sensitivity to Impact: NA	Explosion Data — Sensitivity to Static Discharge: NA
Hazardous Combustion Products: NA		
[NFPA]		

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Vacuum or sweep up dry martial and wet material absorb with inert materials and transfer to containers for disposal or hosed down a sanitary sewer. Minimize dust formation during clean up.

## SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
General good house keep and care to keep the boxes dry and cool
Storage Requirements
Keep the unopened product in a freezer or refrigerator. Use up any product mixed with water in 24 hours

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls ( <i>such as ventilation, enclosed process</i> ) According to FDA figures, endotoxin levels in the package air space are below levels known to cause health risks in humans
Precautions to be taken in Handling and Storing: Since this product is produced in a pellet form it presents a very low hazard for dust generation. If the pouch has been severely compressed or crushed and large amounts of dust are produced, wear a particle filter mask to avoid inhalation until the concentrated protein has been mixed with
Ventilation: Good general room ventilation should be used
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If person mixing the bags of product has cut on their hands non permeable gloves should be worn.
If person mixing the bags of product has a sensitivity to the dust a partial mask should be worn.
If person mixing the bags of product thinks they will get the powder in their eyes protective glasses should be worn.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Freeze dried pellet granules	Odor and Appearance: Light brown to beige, freeze-dried pellets with a faint odor that's a mild organic smell similar to ground cornmeal.	Odor Threshold (ppm): NA
Specific Gravity: NA	Vapor Density (air = 1) NA	Vapor Pressure (mmHg): NA
Evaporation Rate: NA	Boiling Point (° C) NA	Freezing Point (° F/C): 27.2 F or -2.88 C
pH: 7	Coefficient of Water/Oil Distribution: NA	[Solubility in Water] Yes

## SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? NA
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?

--

--

Reactivity, and under what conditions?
--

NA
----

Hazardous Decomposition Products
----------------------------------

NA
----

## SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure
---------------------------

In extreme cases where large quantities of dust are inhaled the user can exhibit cold and flu like symptoms that may persist if the user has sensitivity to products made from gram negative organisms.

--

Effects of chronic exposure
-----------------------------

The effects of coughing and dry throat will dissipate as soon as the exposure has ended. If sensitivity is observed a partial mask should be worn while poring the dry granules into water. As soon as the protein is dissolved in water it is no longer respirable.

--

--

Irritancy of Product
----------------------

Skin sensitization: NA	Respiratory sensitization: NA
------------------------	-------------------------------

Carcinogenicity-IARC: NA	Carcinogenicity – ACGIH: NA
--------------------------	-----------------------------

Reproductive toxicity: NA	Teratogenicity: NA
---------------------------	--------------------

Embrototoxicity: NA	Mutagenicity: NA
---------------------	------------------

Name of synergistic products/effects
--------------------------------------

*Please continue on reverse side*

## SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

At application rates double to the instructed application rate this protein has no effect on test species including test species like *Pimephales promelas* or *Ceriodaphnia dubia* (Steel Head minnows and Copepods)

## SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal: Pour unused granules into a sanitation sewer and recycle the bag or dispose in accordance with any applicable International, EU, federal, state, local laws or regulations.

## SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information: Keep the cases of Snomax as cool as possible. Snomax is protein and it will break down if it's exposed to prolonged temps above 32F or 0 C. After the shipment arrives at the final destination place it back in freezer for long term storage.

PIN

TDG

[DOT]

[IMO]

[ICAO]

## SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] NA

[OSHA]NA

[SERA] NA

[TSCA] NA

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.*

## SECTION 16 — OTHER INFORMATION

Precautions to be taken in Handling and Storing: Since this product is produced in a pellet form it presents a very low hazard for dust generation. If the pouch has been severely compressed or crushed and large amounts of dust are produced, wear a particle filter mask to avoid inhalation until the concentrated protein has been mixed with water.

Reviewed by



Revision date 1/1/2019