

# À PheNom® A PheNom®ST

Issue Date: 25-Nov-2019 v.1

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#### 1.1. Product Identifier

Product form Liquid
Product Name PheNom

#### 1.2 Identified Uses

Recommended Use Seed or Soil Inoculant

#### 1.3 Supplier of the SDS

Dakota Bio

6066 Shingle Creek Parkway #216 Brooklyn Center, Mn. 55430

Tel. 833-325-6822

Email info@dakotabio.com

### 2. Hazards Identification

2.1 Classification of the mixture	Not considered hazardous substance by	
	OSHA	
2.2 Labeling Elements	Not applicable	
2.3 Other hazards	None	
2.4 Unknown acute toxicity	None	

## 3. Composition on ingredients

3.1 Substance	Liquid
3.2 Mixture of ingredient	
Mixture Active Ingredient	Patented Bacteria Blend

# 4. First Aid Health Hazard rating 0

#### 4.1 Description of First Aid

Symptoms

Not harmful by ingestion
Not harmful by inhalation. Breath fresh air,
rest.
Not harmful by contact. Wash exposed skin
with soap and water.
Not harmful, may cause discomfort. Rinse
immediately, seek medical attention if
irritation persists.
Not harmful to ingest. Rinse mouth, give
water.

\_Acute: None, Delayed None



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# 5. Firefighting Measures

	5.1	Exting	guishing	g Media
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Suitable extinguishing media	Foam, water stream
Unsuitable extinguishing media	None
5.2 Special Hazards	
Fire Hazard	Combustible solid which burns but propagates flame
	with difficulty.
Explosion Hazard	Avoid creating clouds of dust in unventilated space,
	dust cloud may form explosive mixture with source
	of ignition.
Reactivity	Combustion products include: carbon monoxide,
	carbon dioxide, nitrogen oxides. Avoid
	contamination with oxidizing agents, nitrates,
	oxidizing agents, chlorine bleach.
5.3 Advice for Firefighters	
Firefighting instructions	Use water spray or fog for cooling containers
Protective equipment for firefighters'	Full protective gear as in any fire

#### 6. Accidental Release Measures

Hygiene measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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6.1.1 Non-emergency personnel	
Emergency procedures	Stop source of leak or contamination, clean spill.
6.1.2 Emergency responders	
Protective equipment	Equip cleanup crew with proper protection
Emergency procedure	Ventilate the area
6.2Environmental precautions	None
6.3 Methods and material for contaminant cleanup	
Methods	Collect spillage, put in waste disposal.
	Store away from other chemicals, dispose according
	local regulation.
6.4 Reference to other sections	No additional information
7. Handling and Storage	
7.1 Precautions for safe handling	
Precautions	Store in closed container, keep away from ignition
	sources.

\_Handle with good industrial hygiene and safety

practices. Wash hands after handling.





#### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	_Keep in original container, cool, well
	ventilated away from direct sunlight away
	from extreme high and low temperatures.
	Keep container closed when not in use. Do
	not freeze.
Incompatible materials	_Oxidizing agents, nitrates, oxidizing agents,
	chlorine bleach.
Storage Temperature	_4-26° C (39-80° F)

7.3 Specific uses No additional information

# 8. Exposure controls/personal protection

#### 8.1 Control parameters

No additional information available

#### 8.2 Exposure controls

Appropriate engineering controls	Ensure adequate ventilation, emergency
	fountains, safety showers eye wash
Personal protective equipment	Avoid unnecessary exposure. Protective
	goggles, clothing and gloves.
Hand Protection	Protective gloves.
Eye Protection	Chemical or safety goggles
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Use approved respiratory protection
Other information	Do not eat, drink, or smoke during use.

## 9. Physical and Chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	Powder
Appearance	Light Tan Powder
Color	Light Tan/White
Odor	Odorless
рН	7
Relative evaporation rate	Not available
Melting point	>300C
Freezing point	4 C (25 F)
Boiling point	Not available
Flash point	Not available
Auto ignition temperature	Not applicable
Decomposition temperature	Not available



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#### 9.1 Continued - Information on basic physical and chemical properties

Flammability (solid, gas)	_Not applicable
Vapor pressure	_Negligible
Relative vapor density at 20C	Not available
Relative Density	Not available
Solubility	_Partly miscible
Log Pow	Not available
Log Kow	Not available
Viscosity, kinematic	Not available
Viscosity dynamic	Not available
Explosive properties	Not available
Oxidizing properties	_Not available
Explosive limits	_Not available

# 10. Stability and reactivity

10.1 Reactivity	Stable, no known hazardous reactions
10.2 Chemical stability	Stable, when stored at ambient conditions
10.3 Possibility of hazardous reactions	None
10.4 Conditions to avoid	lgnition
10.5 Incompatible materials	Oxidizing agents, Combustible substances
10.6 Hazardous decomposition products	None

# 11. Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity	None
Skin corrosion/irritation	None
Serious eye damage/irritation	Irritation
Respiratory or skin sensitization	None
Germ cell mutation	None
Carcinogenicity	None
Reproductive toxicity	None
Target organ toxicity (single exposure)	None
Target organ toxicity (repeat exposure)	None
Aspiration hazard	None
Symptoms/injuries after eye contact	May cause irri



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# 12. Ecological information

12.1 Toxicity
No additional information available
12.2 Persistence and degradability
No additional information available
12.3 Bio accumulative potential
Not established
12.4 Mobility in soil
No additional information available
12.5 Other adverse effects

Effects on Ozone
None

Effect on global warming
None
Other
None

### 13. Disposal consideration

13.1 Waste treatment methods

<u>Waste disposal recommendations</u>
Dispose in safe manner in accordance with local regulations.

#### 14. Transport information

In accordance with DOT

Additional information

Other

Not regulated as hazardous material

No supplemental information needed

### 15. Regulatory information

<u>15.1 National regulations</u> This material is not considered hazardous

#### 16. Other Information

NFPA health hazard	0 – Exposure could cause irritation
NFPA fire hazard	1 – Minimum fire hazard
NFPA reactivity	0 – Stable, even under fire conditions, not
	reactive with water.

Information and recommendations listed herein are presented in good faith and believed to be correct as of the date hereof. Dakota Bio or any of its subsidiaries makes no representations as to the completeness or accuracy thereof.