

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

**1.1 Product Identifier**

Product form: Free-flowing, granular mix  
Product name: SANGROVIT® 108

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture: Animal feed supplement  
Area of applications: Industrial applications

**1.3 Details of the supplier of the safety data sheet**

Name: Phytobiotics North America, LLC  
Address: 209 New Edition Court  
Cary, NC 27511

Telephone: 919.651.8262

Date Prepared: 11/16/2018

**1.4 Emergency telephone number: 919-651-8262**

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

GHS-US classification: Not Classified

**2.2 Label Elements**

GHS-US Labeling:

Precautionary statements (GHS-US); Contaminated work clothing must not be allowed out of the workplace. Wear protective gear including long sleeves, trousers, and eye protection.

If on skin: Wash skin with mild soap and water. If skin irritation continues, seek medical attention.

**2.3 Other Hazards**

Other hazards not contributing to the classification:

**2.4 Unknown Acute Toxicity (GHS US)**

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS SUBSTANCE / MIXTURE**

**3.1 Substances**

N/A

**3.2 Mixture**

Chemical Name	Product identifier (CAS No.)	%	GHS-US Classification
Sangrovit G Premix	N/A	24	N/A
White Oil	8042-47-5	2	N/A
Calcium Carbonate	471-34-1	46	N/A
Rice Hull	N/A	28	N/A

# Safety Data Sheet

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

First-aid measures general: First aid personnel should pay attention to their own safety. Remove contaminated clothing.

First-aid measures after inhalation: Persons experiencing difficulty breathing should be moved to fresh air.

First-aid measures after skin contact: Wash skin with mild soap and water.

First-aid measures after eye contact: Flush with cool clean water for at least 15 minutes.

First-aid measures after ingestion: Rinse mouth immediately and then drink plenty of water, seek medical attention.

### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms/injuries after inhalation: Difficulty breathing.

Symptoms/injuries after skin contact: Redness or itching of the skin

Symptoms/injuries after eye contact: Red, burning, irritated eyes

Symptoms/injuries after ingestion: Sickness

Chronic symptoms:

### **4.3 Indication of any immediate medical attention and special treatment needed**

Note to Physicians: All treatments should be based on observed signs and symptoms of distress in patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

Water, foam, water fog

### **5.2 Special hazards arising from the substance or mixture**

No known unusual fire and explosion hazards.

### **5.3 Advice for firefighters**

Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

#### **6.1.1 For non-emergency personnel**

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

#### Protective equipment:

Respiratory Protection: Dust Mask; Ventilation - Local Exhaust: As Needed; Protective Gloves: As needed for the task being performed; Eye Protection: Safety Glasses with side shields or face shield; Other Protective Clothing or Equipment: Eyewash and full body shower facilities.

## Safety Data Sheet

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### **6.1.2 For emergency responders**

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Protective equipment:

Respiratory Protection: Dust Mask; Ventilation - Local Exhaust: As Needed; Protective Gloves: As needed for the task being performed; Eye Protection: Safety Glasses with side shields or face shield

Emergency procedures:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

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### **6.2 Environmental precautions:**

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Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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### **6.3 Methods and material for containment and cleaning up:**

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Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of waste in accordance with all local, state, and federal regulations.

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of waste in accordance with all local, state, and federal regulations.

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### **6.4 Reference to other sections:**

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None

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## **SECTION 7: HANDLING AND STORAGE**

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### **7.1 Precautions for safe handling:**

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Protective measures: Put on appropriate personal protective equipment (see section 8).

Precautions for safe handling: Store in a cool dry place away from acids. Material will absorb moisture from air or other sources.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking, applying cosmetics or using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene matters.

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### **7.2 Conditions for safe storage including any incompatibilities:**

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Store in a cool dry place away from acids. Material will absorb moisture from air or other sources. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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### **7.3 Specific end use(s)**

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To be used as an animal feed supplement.

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## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **8.1 Control parameters**

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Occupational exposure limits: None

Appropriate engineering controls: Good ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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# Safety Data Sheet

## Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicated this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Skin and body protection:

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Physical state: Free-flowing, fine granular mix  
Appearance: Off-white, slightly speckled powder  
Color: Pale yellow mixture with slight odor of grain  
Odor: Light characteristic odor of vitamins  
Odor threshold: N/A  
pH: N/A  
Relative evaporation rate (butylacetate=1): N/A  
Melting point: N/A  
Freezing point: N/A  
Boiling point: N/A  
Flash point: N/A  
Self-ignition temperature: N/A  
Decomposition temperature: N/A  
Flammability (solid, gas): N/A  
Vapor pressure: N/A  
Relative vapor density at 20° C: N/A  
Relative density: N/A  
Density: N/A  
Solubility: Partially soluble in the following materials: cold water and hot water  
Log Pow: N/A  
Log Kow: N/A  
Viscosity, kinematic: N/A  
Viscosity, dynamic: N/A  
Explosive properties: Not known  
Oxidizing properties: Not known  
Explosive limits: N/A

### **9.2 Other information**

None

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

### **10.2 Chemical stability**

# Safety Data Sheet

Stable

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**10.3 Possibility of hazardous reactions**

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Under normal conditions of storage and use, hazardous reactions will not occur.  
Under normal conditions of storage and use, hazardous polymerization will not occur.

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**10.4 Conditions to avoid**

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Moist conditions

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**10.5 Incompatible materials**

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Acids, oxidizers

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**10.6 Hazardous decomposition products**

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Carbon Monoxide, Carbon Dioxide

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

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Skin corrosion/irritation: May cause an allergic skin reaction  
Serious eye damage/irritation: Product dust in eyes may cause irritation  
Respiratory or skin sensitization: Inhalation of dusts may cause respiratory irritation.  
Germ cell mutagenicity: N/A  
Carcinogenicity: N/A  
Reproductive toxicity: N/A  
Specific target organ toxicity (single exposure) N/A  
Specific target organ toxicity (repeated exposure) N/A  
Aspiration hazard: N/A  
Symptoms/injuries after inhalation: Dust may cause respiratory irritation (difficulty breathing)  
Symptoms/injuries after skin contact: May cause an allergic skin reaction (dermal distress)  
Symptoms/injuries after eye contact: Product dust in eyes may cause irritation (red, swelling, watery eyes)  
Symptoms/injuries after ingestion:  
Chronic symptoms: N/A

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**SECTION 12: ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

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No data available

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**12.2 Persistence and degradability**

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No data available

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**12.3 Bio accumulative potential**

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No data available

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**12.4 Mobility in soil**

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No data available

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**12.5 Other adverse effects**

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No known significant effects or critical hazards

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

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The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Safety Data Sheet

### SECTION 14: TRANSPORT INFORMATION

In accordance with ADR/RID/IMDG/IATA

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#### 14.1 UN number

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UN-No. (DOT): Not Regulated  
DOT NA no.: N/A

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#### 14.2 UN proper shipping name

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DOT Proper Shipping Name: Sangrovit 108

Department of Transportation (DOT) Hazard: Not regulated as dangerous goods  
Classes  
Hazard Label (DOT): N/A

DOT Symbols: N/A  
Packing group (DOT): N/A  
DOT Special Provisions (49 CFR 172.102): N/A

DOT Packaging Exceptions (49 CFR 173.xxx):  
DOT Packaging Non Bulk (49 CFR 173.xxx):  
DOT Packaging Bulk (49 CFR 173.xxx):

## Safety Data Sheet

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### 14.3 Additional Information

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Other information:

Overland transport

Transport by sea

DOT Vessel Stowage Location:

DOT Vessel Stowage Other:

Air Transport

DOT Quantity Limitations Passenger aircraft/rail:

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)

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### 14.3 Special precautions for user

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Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: REGULATORY INFORMATION

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### 15.1 US Federal regulations

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United States Inventory (TSCA 8b): All components are listed or exempted.

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### 15.2 International regulations

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15.2.1 National Regulations N/A

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### 15.3 US State Regulations

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## SECTION 16: OTHER INFORMATION

All statements, technical information and recommendations contained herein are, to the best of our knowledge, reliable and accurate; however, no warranty either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from use of the material described.

It is the responsibility of the user to comply with all applicable federal, state, and local regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

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