

# Material Safety Data Sheet

## Section 1. Product and Company Identification

**Product Name:** VAULT® SP FOR PEANUTS  
**Product Code:** CS/PSVLT/PN

**Manufacturer Information:** Becker Underwood, Inc.  
 801 Dayton Avenue  
 Ames, Iowa 50010  
 Information Phone: (515) 232-5907  
 Emergency Phone: Chemtrec (800) 424-9300 or 703 527 3887 (international)

### Hazardous Material Information System:

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	X

## Section 2. Ingredients and Hazards Identification

**Emergency Overview:** May cause respiratory tract, eye, and skin irritation.

### Potential Acute Health Effects:

- Eyes:* Short term harmful effects are not expected. However, irritation may develop causing itching and redness.
- Skin:* Short term harmful effects are not expected. However, mild skin irritation may develop causing itching and redness.
- Inhalation:* Short term harmful effects are not expected. However, exposure to dust may cause coughing or wheezing when inhaled.
- Ingestion:* Not an intended route of exposure. Short term harmful effects are not expected. However, may upset the gastrointestinal tract.

## Section 3. Composition/Information on Ingredients

The composition of this material is a trade secret. Contains no other components or impurities which will influence the classification with regard to human and environmental risk assessment.

## Section 4. First Aid Measures

- Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Prolonged or repeated contact may result in mechanical irritation.
- Skin Contact:** Wash with soap and water. Remove and launder contaminated clothing before reuse.
- Inhalation:** Move to fresh air. Seek medical attention if irritation develops.
- Ingestion:** Seek medical attention. Unless advised otherwise, dilute with water or milk.

## Section 5. Fire Fighting Measures

- Flammability of Product:** Not a fire or explosion hazard when stored under normal conditions.
- Fire Fighting Media:** Foam, alcohol foam, CO2, dry chemical, water fog.
- Protective Clothing:** No special procedures required besides standard fire fighting procedures.

## Section 6. Accidental Release Measures

**Clean-Up Procedures:** Vacuum or use wet clean-up techniques and place in properly labeled and closed container. Dispose of collected material according to federal, state/provincial and local environmental regulations.

**Spills and Leaks:** Contain the spill to prevent discharges to surface streams or storm sewers.

## Section 7. Handling and Storage

**Handling:** Avoid breathing dust. General mechanical ventilation can be expected to effectively remove and prevent build up of any dust generated from handling this product in a closed environment. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.

**Storage:** Keep container in a dry place inaccessible to children and pets at temperatures above freezing. Keep containers sealed until ready for use.

## Section 8. Exposure Control/Personal Protection

Hazardous Components		Occupational Exposure Limits		
Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
*Rhizobial cells mixed with sterile sedge peat flour	Proprietary	15 mg/m <sup>3</sup> Total dust 5 mg/m <sup>3</sup> Respirable fraction	10 mg/m <sup>3</sup>	100%
*Rhizobia is a soil bacteria that is not pathogenic to plants or humans.				
***No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present***				

**Engineering controls:** General mechanical ventilation can be expected to effectively remove and prevent build up of any dust generated from handling this product in a closed environment.

**Personal Protection:**

*Eyes:* Wear safety glasses. Have an eye wash station available.  
*Body:* To prevent skin contact wear coveralls, apron, boots, or lab coat.  
*Hands:* Avoid skin contact by using gloves.  
*Respiratory:* No respiratory protection required under normal conditions of use. Use local exhaust to control excessive dust. If excessive dust persists use appropriate NIOSH/MSHA approved respirator. Observe OSHA Permissible Exposure Limits for nuisance dust.

**Other:** Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

## Section 9. Physical and Chemical Properties

<b>Odor</b>	Peat moss odor	<b>Vapor Density</b>	NA
<b>Color</b>	Dark brown to black	<b>Evaporation Rate</b>	NA
<b>Physical state</b>	Solid	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	NA
<b>pH</b>	NA	<b>Solubility</b>	Insoluble
<b>Melting/Freezing Point</b>	NA		

## Section 10. Stability and Reactivity

<b>Chemical Stability:</b>	This material is chemically stable under normal storage and handling conditions.
<b>Hazardous Decomposition:</b>	When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, or other toxic compounds depending on the chemical composition and combustion conditions.
<b>Hazardous Polymerization:</b>	Is not known to occur.
<b>Incompatibility (Materials to Avoid):</b>	Avoid extremes in temperature and high humidity. Avoid long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc. Other materials to avoid include strong oxidizing agents. Avoid extremes in temperature. Microorganisms denature at >50°C

## Section 11. Toxicological Information

<b>Chronic Toxicity:</b>	None known
<b>Mutagenic Effects:</b>	None known
<b>Teratogenic Effects:</b>	None known
<b>Developmental Toxicity:</b>	None known
<b>Acute Effects on Humans:</b>	May cause skin, eye, and respiratory irritation.
<b>Sensitization:</b>	Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.
<b>Carcinogenic Effects:</b>	This material is not known to cause cancer in animals or humans.
<b>Existing Medical Conditions Aggravated By Exposure:</b>	May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

## Section 12. Ecological Information

<b>Ecotoxicity:</b>	No data available, however the material is not expected to have any deleterious toxic effect.
<b>Environmental Fate:</b>	No data available regarding the environmental fate or biodegradation.

## Section 13. Disposal Considerations

<b>EPA Waste Number:</b>	Non-hazardous waste
<b>Treatment:</b>	Dispose of according to all federal, state/provincial and local environmental regulations.

## Section 14. Transport Information

<b>D.O.T. Classification:</b>	Not regulated
<b>IMO/IMDG Classification:</b>	Not regulated
<b>IATA Classification:</b>	Not regulated

## Section 15. Regulatory Information

### US Federal Regulations:

SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: No products were found.  
SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found.

**SARA 313:** No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present.

### Regulatory Listings:

United States (TSCA): Listed

## Section 16. Other Information

Revision:	2
Revision date:	January 4, 2010
Supersedes:	January 22, 2009

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