



SAFETY DATA SHEET

Section 1: Identification

Product Name: SelenoSource® AF 3000

Manufacturer:

Diamond V

P.O. Box 74570

Cedar Rapids, Iowa 52404

Diamond V and EMERGENCY phone number: (800) 373-7234

Recommended Use of Product: This Selenium Yeast contains up to 3750 mg/kg (3750 ppm) of selenium. Excess feeding and prolonged exposure to selenium is potentially toxic to animals and humans. Follow label directions and employ all protective measures. The addition of higher levels of this premix containing selenium is not permitted.

Date: 15 May 2018

Revision: 1

Section 2: Hazard(s) Identification

Product Overview: SelenoSource AF 3000 is a premium source of organic selenium of which a major component is selenomethionine. The selenium yeast has undergone a series of washes to remove residual inorganic selenium salts.

Classification: Organic Dust

Label Elements: *Signal Word:* N/A due to FDA Labeling Exemption.

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid breathing dust. May cause breathing difficulties if inhaled. Excessive inhalation may affect nose, throat, and lungs.

Explosion Hazard: Feed is generally considered not hazardous, but dust generated through downstream activities that may reduce its particle size (e.g. shipping, handling transfer to bins etc.) may create a hazardous condition. If exposed to an ignition source, feed dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash or, in a confined situation, may fuel an explosion.

Section 3: Composition/Information on Ingredients

CAS #	Name	Percentage
7782-49-2	Selenium	0.3
Dust from prepared animal feeds (grains, plant proteins, and/or minerals).		

Ingredient Composition: Selenium yeast (*Saccharomyces cerevisiae*)

Section 4: First Aid Measures

Inhalation: Move the exposed person to fresh air. If you feel unwell, seek medical advice (show the label where possible).

Skin Contact: Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms occur.

Eye Contact: Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.

Ingestion: Induce vomiting if large quantities are ingested; seek immediate medical attention. Estimated safe, daily dietary intake is 10-75 mcg/day

Section 5: Fire-fighting Measures

Suitable Extinguishing Agents: CO₂, dry chemical or water spray. Do not use strong streams of water or dry chemical if this will disperse dust into the air. Dust placed in suspension with an ignition source present may flash or explode.

Unusual Fire and Explosion Hazards: Explosion hazard may exist for combustible dusts of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.

Section 6: Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures: Control and contain loose material and dust.

Environmental precautions: Do not allow material to enter drains.

Methods and material for containment and cleaning up: Sweep up. Transfer to suitable, labeled containers for disposal.

Section 7: Handling and Storage

Store this product in a cool, dry environment.

Section 8: Exposure Controls/Personal Protection

Component:	OSHA PEL	ACGIH® TLV®	Other Limits
Selenium	0.2 mg/m ³	0.2 mg/m ³	Not established

Engineering Controls: Ensure adequate ventilation of the working area.

Personal Protective Equipment:

Eyes and Face: Safety glasses, face shield or goggles.

Skin Protection: Latex or Nitrile gloves.

Respiratory Protection: NIOSH-approved nuisance dust respirator.

Other preventive Measures: Good manufacturing practices.

Section 9: Physical and Chemical Properties

A.) Appearance: Tan color, powder

B.) Odor: Fermented, yeasty aroma

- C.) Odor Threshold: Unknown
- D.) pH: Not applicable
- E.) Melting point/freezing point: Not Applicable
- F.) Boiling point, boiling range: Not Applicable
- G.) Flash point: Not applicable
- H.) Evaporation rate: Not Applicable
- I.) Flammability (solid, gas): Slightly flammable. Will burn. NFPA Rating=1.
- J.) Upper/lower flammability or explosive limits: Unknown
- K.) Vapor pressure: Not Applicable
- L.) Vapor density: Not Applicable
- M.) Relative density: Approximately 33 lb/ft³ (529 kg/m³)
- N.) Solubility: Insoluble
- O.) Partition coefficient: n-octanol/water: Unknown
- P.) Auto-ignition temperature: Not applicable
- Q.) Decomposition temperature: Unknown
- R.) Viscosity: Not applicable

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: None.

Incompatible Materials: Acids, strong oxidizing agents.

Hazardous Decomposition Products: Unknown

Possibility of Hazardous Reactions: Will not occur.

Section 11: Toxicological Information

Routes of Entry: *Inhalation:* X *Skin:* X *Eyes:* X *Ingestion:* Unlikely

Acute: May be mechanical irritant to skin and eyes. Excessive inhalation of feed dusts may affect the nose, throat and lungs.

Chronic: Repeated and prolonged inhalation of feed dusts may affect the respiratory system.

Signs and Symptoms of Exposure: Irritation to the skin, eyes, nose or throat may occur.

Information on toxicological effects:

No substance is present at a concentration level which presents a health or environmental hazard.

Section 12: Ecological Information

No data is available.

Section 13: Disposal Considerations

Waste disposal methods: In accordance with Federal, State and Local regulations.

Section 14: Transport Information

Not applicable.

Section 15: Regulatory Information

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355): Not applicable.

SARA Title III Section 311/312 Hazardous Categorization (40 CFR 370): OSHA defines this material as hazardous under 29 CFR 1910.1200.

SARA Title III Section 313 Toxic Chemicals (40 CFR 372): Subject to reporting requirements- selenium compounds.

Section 16: Other Information

Feed components generally produce a limited amount of dust in manufacturing and handling of the material. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

End of SDS