



MATERIAL SAFETY DATA SHEET

Identity SelenoSource™ AF	Chemical Name Selenium Yeast, Dry
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Section I – General Information

Diamond V Mills P.O.Box 74570 Cedar Rapids, Iowa 52407 USA	Emergency Phone Number (319) 366-0745 (800) 373-7234 (outside Iowa) Telephone Number for Information same Date Prepared: April 6, 2007
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Section II – Hazard Ingredients/Identity Information

Not hazardous in this concentration under 29 CFR Part 1910.1200				
Selenium Yeast contains up to 2500 mg/kg (2500 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 to feed of higher levels of this premix containing selenium is not permitted.				
Common Name	OSHA PEL	ACGIH TLV	Other Limits	% Optional
Selenium	0.2mg/m ³ TWA	0.2mg/m ³ TWA	NA	NA

Section III - Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H₂O = 1)	NA
Vapor Pressure (Mmg Hg)	NA	Melting Point	NA
Vapor Density (Air = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility In Water	insoluble		
Appearance And Odor	Light Tan Color, Yeast Aroma		

Section IV - Fire And Explosion Hazard Data

Flash Point (Method Used) NA	Flammable Limits NA	LEL	UEL
Extinguishing Media: Water spray - dry chemical - CO ₂			
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.			
Unusual Fire Fighting Procedures: Control dust			

Section V – Reactivity Data

Selenium Yeast, Dry

Stability	Unstable		Conditions to Avoid	NA
	Stable	X		
Incompatibility (Materials To Avoid): Acids, strong oxidizing agents				
Hazardous Decomposition Or Byproducts: Unknown				
Hazardous Polymerization	May Occur		Conditions to Avoid	NA
	Will Not Occur	X		

Section VI – Health Hazard Data

Routs Of Entry:	Inhalation: Yes	Skin: No	Ingestion: Yes
Health Hazards (Acute And Chronic): Estimated safe, daily dietary intake is 10-75 mcg/day. May be harmful by inhalation or ingestion. May cause irritation.			
Carcinogenicity:	NA	NPT:	NA
OSHA Regulated:	NA		
Signs And Symptoms Of Exposure: Dizziness, headache, metallic taste			
Medical Conditions Generally Aggravated By Exposure: Prolonged or repeated exposure may cause toxic accumulation of selenium.			
Emergency And First Aid Procedures: Induce vomiting if large quantities are ingested; seek immediate medical attention.			

Section VII – Precautions for Safe Handling and Use

Steps To Be Taken In Case of Release or Spill: Control and contain loose material and dust.
Waste Disposal Method: Observe all local, state, and federal environmental regulations.
Precautions To Be Taken In Handling And Storing: Store in cool, dry area
Other Precautions: NA

Section VIII – Control Measures

Respiratory Protection (Specify Type): Nuisance dust mask				
Ventilation	Local Exhaust	NA	Special	NA
	Mechanical (General)	NA	Other	NA
Protective Gloves: Latex or nitrile gloves				
Eye Protection: Safety glasses, face shield or goggles				
Hygienic Practices: Good manufacturing practice				

Section XV – Regulatory Information

This product is subject to SARA Section 313 reporting requirements – selenium compounds.
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