

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910:1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) RUMINANT SCIENCE PREMIX	The information contained herein is based on data Considered accurate: however, no warranty either expressed or implied of any nature with respect to the product or the data is made.
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Section I

Manufacturer's Name ANIMAL SCIENCE PRODUCTS	Emergency Telephone Number 1-800-424-9300 CHEMTREC
Address (Number, Street, City, and ZIP Code) FM 1275 SOUTH, NACOGDOCHES, TX, 75963-1408	Telephone Number for Information 1-800-657-2324 ANIMAL SCIENCE PRODUCTS
P.O. DRAWER 631408	Date Prepared 6/26/96
	Signature of Preparer (optional)

Section II-Hazardous Ingredients/Identity Information

INGREDIENTS:

Rice Hulls, Calcium carbonate, Ferrous Sulfate, Manganous Oxide, Zinc Oxide, Mineral oil, Vitamin A supplement, D-Activated Animal Sterol(A source of Vitamin D), Vitamin E supplement, Copper Oxide, Sodium Selenite, Ethoxyquin and BHA, Ethylenediamine Dihydriodide and Cobalt Carbonate.

WARNING:

Levels of selenium greater than .3PPM in finished feed are prohibited. Maximum use level of this product is 5 pounds per ton of finished feed.

Section III - Physical/Chemical Characteristics

Boiling Point:	NA	Specific Gravity (H ² O = 1)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA

Solubility in water: Some components may be water soluble.

Appearance and Odor: White, brown, red, and gray mixtures of minerals.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Not combustible	Flammable Limits:	LEL NA	UEL NA
Extinguishing Media: Foam, co ₂ , dry chemical or water.			
Special Fire Fighting Procedures: In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.			
Unusual Fire Fighting and Explosion Hazards: Not combustible			

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid: Extreme heat.
	Stable	Stable under ordinary conditions	
Compatibility (Materials to Avoid): NA			
Hazardous Decomposition or Byproducts: May decompose if heated to produce irritating or toxic combustion products.			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	Will not occur.	
Section VI - Health Hazard Data			
Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes			
Health Hazards (Acute and Chronic): Cobalt, Copper, Zinc, and Selenium salts may have oral human lethal doses in the range of 50 to 500 mg/kg.			
Carcinogenicity: No NTP? No IARC Monographs? No OSHA Regulated?			
Signs of Symptoms of Exposure: Ingestion of large doses of mineral salts usually cause vomiting, but the acute effects are described as nausea, chills, and diarrhea. Eye or skin irritation may occur following ingredient contact.			
Medical Conditions Generally Aggravated by Exposure:			
Emergency and First Aid Procedures: Eye Contact: Flush eyes immediately with water for 15 minutes. Seek medical attention if irritation persist. Skin Contact: Wash with soap and water. Seek medical attention if red and irritated. Inhalation: Remove to fresh air and seek medical attention for any breathing difficulty. Ingestion: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled: Ventilate area. Clean-up personnel require respiratory protection. Recover uncontaminated material for use. Vacuum or sweep remaining material, keeping dust to a minimum.			
Waste Disposal Method: Dispose of unreclaimable material in a RCRA-approved waste facility.			
Precautions to Be Taken in Handling and Storing: Protect containers from damage and keep closed when not in use.			
Other Precautions: Observe good personal hygiene. Wash after handling.			
Section VIII - Control Measures			
Respiratory Protection (Specify Type):			
Ventilation	Local Exhaust: Recommended		Special:
	Mechanical (General):		Other:
Protective Gloves: Yes Eye Protection: Yes			
Other Clothing or Equipment: Use other protective equipment when necessary in order to avoid prolonged exposure to skin.			
Work/Hygienic Practices: Observe good personal hygiene. Wash after handling.			