

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) A-30		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.	
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 06/27/96	
		Signature of Preparer (optional)	
Section II-Hazardous Ingredients/Identity Information			
Incredient	CAS#	PEL/TLV-SOURCE	Percent
Vitamin A	127-47-9	NA	30
Retinyl Acetate	127-47-9	NA	26
Feed Grade Carmel Color	NA	NA	2
CONTAINS: Rice hulls, calcium carbonate, Vitamin A supplement, mineral oil			
Section III - Physical/Chemical Characteristics			
Boiling Point: At 760 mm Hg: N/A 57-58 deg. C		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: Insoluble		pH= -6.8 -6.9	
Appearance and Odor: Red/brown beadlets/sweet			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used):NA		Flammable Limits:	
		LEL NA UEL NA	
Extinguishing Media: Dry chemical, foam, or use water fog.			
Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.			
Unusual Fire and Explosion Hazard: None			

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid: Avoid heat, light, moisture, and pressure.
	Stable	Stable	
Compatibility (Materials to Avoid): Strong acids. Strong bases, strong oxidizing materials.			
Hazardous Decomposition or Byproducts: On combustion, oxides of carbon, sulfur and nitrogen are emitted.			
Hazardous Polymerization	May Occur		Conditions to Avoid: NA
	Will Not Occur	Not known to polymerize under normal conditions.	
Section VI - Health Hazard Data			
Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes			
<p>ROUTES OF EXPOSURE: Routes of overexposure to this material include eye and skin contact or inhalation. Contact with the eyes and skin may result in respiratory irritation. Inhalation of the dusts or powders may result in respiratory irritation. Ingestion of the solid may result in gastric disturbances. Although Vitamin A is a nutritional requirement, ingestion of excessive amounts may result in headaches, nausea, blurred vision, and decrease appetite. Chronic overexposure to Vitamin A has been associated with anemia, leucopenia, joint and bone pain, fatigue, depression, skin rash, and liver and spleen abnormalities. In some cases of hypervitaminosis A, bone changes and CNS symptoms have been reported. Animal studies have shown that Vitamin A is teratogenic in several species.</p> <p>FIRST AID PROCEDURES:</p> <p>EYES: Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.</p> <p>SKIN: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, consult a physician.</p> <p>INGESTION: If swallowed, dilute with water and immediately INDUCE VOMITING. NEVER give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.</p>			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled: Spills should be contained and placed in suitable for containers for disposal.			
Waste Disposal Method: Incinerate or bury in licensed facility. Do not discharge into waterways or sewers systems without proper authority. Container disposal method: Dispose of in licensed facility. Recommend crushing or other means to prevent unauthorized reuse.			
Section VIII - Control Measures			
Respiratory Protection: If dusts are generated, wear a NIOSH/MSHA approved dust mask.			
Protective Gloves: NA. Eye Protection: Chemical goggles.			

Other Clothing or Equipment: Gloves and protective clothing as necessary to minimize skin contact.

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