

MATERIAL SAFETY DATA SHEET

VITAMIN D₃ RESIN

SECTION I - IDENTIFICATION OF MATERIAL

Name of Composition	VITAMIN D3 RESIN, CHOLECALCIFEROL, ACTIVATED 7-DEHYDROCHOLESTEROL
Chemical Family	Sterol
Molecular Formula	C ₂₇ H ₄₄ O

SECTION II - SIGNIFICANT COMPONENTS AND CONTAMINANTS

CAS NO.	COMPONENT	PERCENT	PERMISSIBLE EXPOSURE LIMIT	SHORT TERM EXPOSURE LIMIT	RTECS NUMBER
67-97-0	Cholecalciferol (Activated 7- dehydro-cholesterol)	65-73			VS 2900000
	Non-active isomers of cholecalciferol	27-35			
128370	BHT	2	(TWA) 10 mg/M ³		GO 78750

SECTION III - PHYSICAL DATA

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Yellow to light brown, almost odorless, resinous solid below 70°F, tacky to sticky; above 70°F, Shatters upon impact when cold.	N/A	0.9 g/mL
Vapor Pressure (mm of Hg)	Freezing Point	pH
N/A	N/A	N/A
Vapor Density (Air = 1)	Solubility in Water	
N/A	Insoluble	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Flammable (Explosive) Limits (Percent by Volume)	
	Lower Explosive Limit	Upper Explosive Limit
N/A	N/A	N/A

Fire Extinguishing Media: Water, carbon dioxide, foam or dry powder.

Special Fire Fighting Procedure: N/A

Unusual Fire and Explosion Hazards: None

SECTION V - HEALTH HAZARD DATA

	Acute
EFFECTS OF OVEREXPOSURE	LD ₅₀ (oral, rat) approximately 57 mg/kg; LD ₅₀ (dermal, rat) = approximately 99 mg/kg. Acute intoxication may cause loss of appetite, fatigue, vomiting, thirst, polyuria and diarrhea or constipation
	Chronic
	Toxic only by prolonged ingestion of > 50,000 IU/day. Skeletal calcium is deposited in the soft body tissue: kidneys, heart, lungs, blood vessels, etc.

Emergency and First Aid Procedures: N/A

SECTION VI - REACTIVITY DATA

General Reactivity: Unreactive; decomposition to inactive products exacerbated by heat and light.

Incompatibility (Materials to Avoid): None

Hazardous Decomposition Products: None

Hazardous Polymerization: Does not polymerize.

Conditions to Avoid: Prolonged exposure to extremes of heat and light.

SECTION VII - SPILL PROCEDURES/DISPOSAL REQUIREMENTS

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or brush up spilled material; transfer to heavy paper bag.

Waste Disposal Method: Bury in approved landfill or incinerate; biodegradable.

Container Disposal: Bury in approved landfill or incinerate; biodegradable.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Eye Protection	Gloves
Wear goggles	Wear gloves
Respiratory	Ventilation
Avoid breathing dust; wear disposable filter mask when handling.	No special requirements.

SECTION IX - SPECIAL PRECAUTIONS

Storage Requirements: Store in cool, dry location in high density polyurethane containers; preferably under a blanket of nitrogen or other inert gas.

Material of Construction: Polyurethane containers.

Labeling: Net weight and potency should be specified.

SECTION X - SHIPPING REGULATIONS (D.O.T. NOMENCLATURE)

Proper Shipping Name		
Generally regarded as safe (GRAS 21CFR 582.5953)-does not fall under D.O.T.regulations.		
Hazard Class	Type of Packaging	Label
N/A	N/A	N/A
Placard	Marking	Exemptions
N/A	N/A	Exempt from D.O.T. regulations.

SECTION XI - NOTES