

MATERIAL SAFETY DATA SHEET

COLOR GUARD 1000

SECTION I - IDENTIFICATION OF MATERIAL

Name of Composition	COLOR GUARD 1000; 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-dehydrocholesterol)	4.0			VS 2900000
128370	BHT (Butylated hydroxy toluene)	3	(TWA) 10 g/M ³		GO 78750
	Edible Soybean Oil	5	Non-toxic	LD ₅₀ >30 g/kg	
	Water	3	Non-Toxic		
	Modified Edible Starch	84	Non-Toxic		
	Food Coloring	0.3	Non-Toxic		

SECTION III - PHYSICAL DATA

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Blue, dry free flowing granular solid.	N/A	0.50 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	ca. 85% soluble	

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: N/A

Special Fire Fighting Procedure: N/A

Unusual Fire and Explosion Hazards: None.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE	Acute
	Toxic only by massive ingestion; no reliable limits established.
	Chronic
	Toxic only by prolonged ingestion of > 50,000 IU/day.

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 spilled material; transfer to heavy paper bag.

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

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

SECTION VIII - SPECIAL PROTECTION INFORMATION

Eye Protection	Gloves
No special requirements.	No special requirements.
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 plastic bags in cardboard boxes.

Material of Construction: Cardboard boxes with poly liners.

Labeling: No special labeling required.

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