

MATERIAL SAFETY DATA SHEET

Color Guard® 1000

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Revision No.: 03 - Nov. 4, 2014	Review Date: Nov. 4, 2016

1.0 IDENTIFICATION OF MATERIAL:

Name of Composition	COLOR GUARD 1000; CHOLECALCIFEROL; ACTIVATED 7-DEHYDROCHOLESTEROL
Chemical Family	Sterol
Molecular Formula	C ₂₇ H ₄₄ O

2.0 SIGNIFICANT COMPONENTS AND CONTAMINANTS:

CAS NO.	COMPONENT	CONCENTRATION	PERMISSIBLE EXPOSURE LIMIT	SHORT TERM EXPOSURE LIMIT	RTECS NUMBER
67-97-0	Cholecalciferol (Activated 7-dehydrocholesterol)	1,000,000 IU/gm		LD ₅₀ >30 g/kg	VS 2900000
128370	BHT (Butylated hydroxy toluene)	2-3%	(TWA) 10 g/M ³		GO 78750
	Non GMO Vegetable Oil		Non-Toxic		
	Water		Non-Toxic		
	Modified Edible Starch		Non-Toxic		
	Food Coloring		Non-Toxic		
1338-41-6	Sorbitan Monostearate, ethoxylated	0.5-0.8%	Non-Toxic	LD ₅₀ >20 g/kg rat	Wg2933500

3.0 PHYSICAL DATA:

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Blue, dry, free flowing, flaked 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)		
N/A		

4.0 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.

5.0 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: Seek medical attention.

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6.0 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.

7.0 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.

8.0 SPECIAL PROTECTION INFORMATION:

EYE PROTECTION:	No special requirements.
GLOVES:	No special requirements.
RESPIRATORY:	Avoid breathing dust; wear disposable filter mask when handling.
VENTILATION:	No special requirements.

9.0 SPECIAL PRECAUTIONS:

STORAGE REQUIREMENTS:	Store in cool, dry location in sealed plastic bags in cardboard boxes.
MATERIAL OF CONSTRUCTION:	Cardboard boxes with poly liners.
LABELING:	No special labeling required.

10.0 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.

11.0 NOTES:

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