

Safety Data Sheet

Section 1: Product & Company Identification

Product Name:	Vitexin
Product #:	V-2513
Synonyms:	Orientoside; 8- β -D-glucopyranosyl-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS #	EC #	% Composition
Vitexin	3681-93-4	222-963-8	≥ 98

Section 3: Hazards Identification

Symbols	N/A
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HMIS Rating

Health Hazard	Chronic Health Hazard	Flammability	Physical Hazard
0		0	0

NFPA Rating

Health Hazard	Fire Hazard	Reactivity Hazard
0	0	0

Section 4: First Aid Measures

General Overview:	No special measures required
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin:	Generally, the product does not irritate the skin.
Eyes:	Rinse opened eyes for several minutes under running water.
Ingestion:	If symptoms persist consult doctor.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Product is not flammable.
Extinguishing Media:	Use firefighting measures that suit the environment. A solid water stream may be inefficient.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	No special measures required.
Flash Point:	No data available


Section 6: Accidental Release Measures

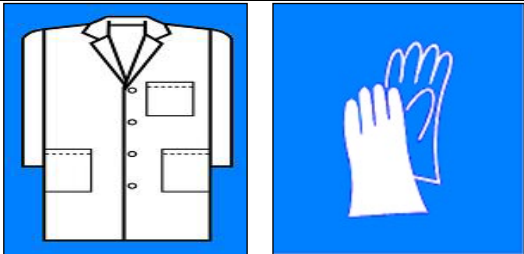

Personal Precautions:	Not required.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Methods for Clean-up:	Pick up mechanically.

SECTION 7: Handling & Storage

Storage:	Recommended storage temperature: -20°C
Handling:	No special measures required.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Not required.</p>
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Skin and Body:	 <p>Protective gloves and lab coat.</p>
Eyes:	 <p>Not required.</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	Follow standard good industrial hygiene practices.
Other:	Contains no substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Solid. Characteristic odor.
Formula	$C_{21}H_{20}O_{10}$
Molecular Wt.	432.4
Melting Pt.	No data available
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMF: 14.3 mg/ml DMSO: 16.6 mg/ml DMSO:PBS (pH7.2) (1:1): 0.5 mg/ml
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
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Hazardous decomposition products:	Carbon dioxide, carbon monoxide
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	DJ2984000
ACUTE Toxicity:	Oral TDLO: 1 mg/kg (mouse) Intraperitoneal LD25: 1 mg/kg (mouse)
CHRONIC Toxicity:	<p>Primary irritant effect:</p> <ul style="list-style-type: none"> · on the skin: No irritant effect. · on the eye: No irritating effect. · Sensitization: No sensitizing effects known. · Additional toxicological information: <p>When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification.</p> <ul style="list-style-type: none"> · Interactive effects No interactive effects between components are known.
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	No data available

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Smaller quantities can be disposed of with household waste.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	Not hazardous
Risk Phrases:	N/A
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: N/A
WHMIS (Canada):	N/A



SECTION 16: Other Information

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