

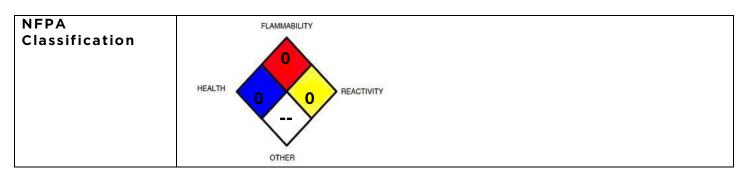
Safety Data Sheet

Section 1: Product & Company Identification		
Product Name:	Violacein	
Product #:	V-2497	
Synonyms:	Anorosin; (3E)-3-[1,2-dihydro-5-(5-hydroxy-1H-indol-3-yl)-2-oxo-3H-pyrrol-3-ylidene]-1,3-dihydro-2H-indol-2-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
Violacein	548-54-9	-	100

Section 3:	Hazards Identification
Symbols	N/A
HMIS Classification	HEALTH O REACTIVITY OTHER





Section 4: I	First Aid Measures
General Overview:	Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
Skin:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
Eyes:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
	See section 11 for more detailed information on health effects & symptoms

SECTION 5: Fire Fighting Measures		
Flammability of the product:	No data available	
Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.	
Hazardous thermal (de)composition products:	Carbon dioxide, Carbon monoxide, Nitrogen oxides	
Special Fire Fighting Procedures:	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.	
Flash Point:	No data available	



Section 6: A	ccidental Release Measures
Personal Precautions:	Avoid raising and breathing dust and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Environmental Precautions:	Take steps to avoid release into the environment, if safe to do so.
Methods for Clean-up:	Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

SECTION 7: Handling & Storage	
Storage:	Keep container tightly closed. Store at -20°C.
Handling:	Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

SECTION 8: Exposure controls / Personal Protection		
Respiratory Protection:	NIOSH approved respirator, as conditions warrant.	
Skin and Body:	Compatible chemical-resistant gloves. Lab coat.	
Eyes:		



	Safety goggles
Ventilation/Engineering	Use process enclosures, local exhaust ventilation, or other
Measures:	engineering controls to control airborne levels below recommended
	exposure limits.
Hygiene:	Do not take internally. Facilities storing or utilizing this material
	should be equipped with an eyewash and a safety shower. Wash
	thoroughly after handling.
Other:	N/A

SECTION 9: Physical and Chemical Properties		
Appearance &	Violet blue solid	
Odor:		
Formula	C ₂₀ H ₁₃ N ₃ O ₃	
Molecular Wt.	343.3	
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:	Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.	
Flash Point:	No data available	
Autoignition	No data available	
Temp:		

SECTION 10: Stability and Reactivity		
Stability:	Stable if stored under recommended conditions.	
Hazardous	Carbon dioxide, carbon monoxide, nitrogen oxides	
decomposition products:		
Materials to Avoid:	Strong oxidizing agents	
Conditions to avoid:	No data available	

SECTION 11: Toxicological Information		
RTECS#:	NM2203500	
ACUTE Toxicity:	Intraperitoneal LD50 (mouse): 100 mg/kg; Oral TDLO (rat): 10 mg/kg; Oral TDLO (mouse): 10 mg/kg	
CHRONIC Toxicity:	N/A	
Chronic Exposure: Carcinogen: Mutagen:	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.	



Teratogen:	AGGIH: No component of this product present at levels greater than or
Reproductive:	equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.
	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.
	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.
	EDA. Na alagaitication and against a data is available force EDA
	EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information		
Ecotoxicity:	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.	
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:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.	

SECTION 13: Disposal Considerations		
Residue Waste or Unused product:	Dispose in accordance with local, state, and federal regulations.	
Contaminated Packaging:	Dispose in accordance with local, state, and federal regulations.	

SECTION 14: Transportation Information		
UN ID#:	N/A	
ADR / RID (LAND):	Not dangerous goods	
DOT regulations:	Not dangerous goods	
IMDG/IMO (SEA):	Not dangerous goods	
IATA/DGR (AIR):	Not dangerous goods	
Special Provisions:	Not dangerous goods	

SECTION 15: Regulatory Information		
Health Phrases:	N/A	
Risk Phrases:	N/A	



Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: Not listed
	California Proposition 65: Not listed
U.S. Federal	SARA 302/304/311/312 extremely hazardous substances: No products
Regulations:	were found
	SARA 302/304 emergency planning and notification: No products were found.
	SARA 302/304/311/312 hazardous chemicals: 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: No Products were found.
WHMIS (Canada):	N/A

SECTION 16: Other Information

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