

Material Safety Data Sheet

Version: 1.0
Revision Date: June, 2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION	
1.1	Product identifier
Product Code	pig_vio_008
Product Name	Violacein
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS-No.	548-54-9
1.2	Relevant identified uses
Identified uses	Laboratory chemicals, Manufacture of substances. For research use only, not for human or veterinary use.
1.3	Details of the supplier of the safety data sheet
Company	Sociedad de Biotecnología Swisssaustral Chile Ltda
Company Address	José Domingo Cañas 2280, Ñuñoa, Santiago, Chile.
Web site	www.swisssaustral.com
Telephone	+56 2 2 343 2578
Emergency Phone	+56 2 2 343 2578

SECTION 2. HAZARDS IDENTIFICATION	
2.1	Classification of the substance or mixture
	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.
2.2	Label elements
	- Labelling according Regulation (EC) No 1272/2008 Pictogram : none Precautionary statement(s): none Supplemental Hazard Statement: none - According to European Directive 67/548/EEC as amended: Hazard symbols(s): none R-phrase(s): none S-phrase(s): none
2.3	Other hazards
	none

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS		
3.1	Mixtures	Formula: C ₂₀ H ₁₃ N ₃ O ₃ Molecular weight: 343,34 g/mol For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES		
4.1	Description of first aid measures	
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.	
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.	
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.	
In case of eye contact	Rinse thoroughly with plenty of water for at least 15min and consult a physician.	
In cases of 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.	
4.2	Most important symptoms and effects, both acute and delayed	
	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.	
4.3	Indication of any immediate medical attention and special treatment needed	
	No data available	

SECTION 5. FIREFIGHTING MEASURES		
5.1	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical spray or carbon dioxide.
5.2	Special hazards arising from the substance or mixture	Carbon oxides, nitrogen oxides (NO _x)
5.3	Advice for firefighters	Wear self-contained breathing apparatus for fighting if necessary.
5.4	Further information	No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.
6.2	Environmental precautions	Do not let product enter drains.

6.3	Methods and material for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
6.4	Reference to other sections	For disposal see section 13.

SECTION 7. HANDLING AND STORAGE		
7.1	Precautions for safe handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2
7.2	Conditions for safe storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2-8 °C.
7.3	Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION		
8.1	Control parameters	Components with workplace control parameters
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	
Handle in accordance with food industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.		
8.2.2	Personal protective equipment	
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standard such as NIOSH (US) or EN 166(EU).	
Skin/Hand protection	Handle with compatible chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and food laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.	
Body Protection	Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.	
Respiratory protection	Respiratory protection is not required. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridge as a backup to engineering controls. If respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standard such as NIOSH (US) or CEN (EU).	

Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1	Appearance
Form	Powder
Colour	Deep violet
9.2	Safety data
pH	No data available.
Melting point/ Freezing point	No data available.
Boiling point	No data available.
Flash point	No data available.
Ignition temperature	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapour pressure	No data available.
Relative density	No data available.
Water solubility	No data available.
Partition coefficient: n-octanol/water	No data available.
Relative vapour density	No data available.
Odour	No data available.
Odour Threshold	No data available.
Evaporation rate	No data available.
9.3	Other safety information
	No data available.

SECTION 10. STABILITY AND REACTIVITY		
10.1	Reactivity	No data available.
10.2	Chemical stability	No data available.
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to avoid	No data available.
10.5	Incompatible materials	Strong oxidizing agents.
10.6	Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides, Nitrogen oxides (NOx)

	Other decomposition products-no data available.
--	---

SECTION 11. TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects
Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitisation	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	No data available.
Carcinogenicity	<p>IARC: No components 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>NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>OSHA: NO components of this product present at levels greater than or equal to 0.1% is identified as o carcinogen or potential carcinogen by OSHA.</p>
Reproductive toxicity	No data available.
Specific target organ toxicity-single exposure	No data available.
Specific target organ toxicity- repeated exposure	No data available.
Aspiration hazard	No data available.
Additional Information	<p>RTECS: Not available</p> <p>Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.</p> <p>Ingestion: May be harmful if swallowed.</p> <p>Skin: May be harmful if absorbed through skin. May cause skin irritation.</p> <p>Eyes: May cause eye irritation.</p>

SECTION 12. ECOLOGICAL INFORMATION		
12.1	Toxicity	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.

Swissaustral USA LLC

111 Riverbend Road, Athens, GA 30602 USA, Tel: +1 706-548-0964, e-mail: safety@swissaustral.us

doc_name:pig_vio_008_MSDS_USA_V1.0.docx



12.5	Results of PBT and vPvB assessment	No data available.
12.6	Other adverse effects	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods	
Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose in accordance, local, state, and federal regulations.	
Contaminated packaging	Dispose of as unused product.	

SECTION 14. TRANSPORT INFORMATION		
14.1	DOT (US) Not dangerous goods	
14.2	IMDG Not dangerous goods	
14.3	IATA Not dangerous goods	

SECTION 15. REGULATORY INFORMATION		
15.1	REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
15.2	SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
15.3	SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
15.4	SARA 311/312 Components	No SARA Hazards.
15.5	Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
15.6	Pennsylvania Right To Know Components	3-(2-(5-Hydroxyindol-3-yl)-5-oxo-2-pyrrolin-4-ylidene)-2-Indolinone; CAS-No.: 548-54-9.
15.7	New Jersey Right To Know Components	3-(2-(5-Hydroxyindol-3-yl)-5-oxo-2-pyrrolin-4-ylidene)-2-Indolinone; CAS-No.: 548-54-9.
15.8	California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION		
16.1	HMIS Rating	
Health hazard:	1	
Chronic Health Hazard:	0	
Flammability:	0	
Physical Hazard.	0	

Swissaustral USA LLC

111 Riverbend Road, Athens, GA 30602 USA, Tel: +1 706-548-0964, e-mail: safety@swissaustral.us

doc_name:pig_vio_008_MSDS_USA_V1.0.docx



16.2	NFPA Rating
Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0
16.3	Further information
Copyright 2022 Swisssaustral USA LLC	
<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Swisssaustral USA LLC and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.</p>	