Crystal Violet

www.carolina.co

Product Description

Product Name: Recommended Use: Synonyms:	Crystal Violet Science education applications Basic Violet 3, CI 42555, Gentian Violet, Aniline Violet, Methanaminium, N-(4-(bis(4- (dimethylamino)phenyl)methylene)-2,5-cyclohexadien- 1-ylidene)-N-methyl-, Chloride , Hexamethyl-P-rosaniline Chloride
Distributor:	Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150
Chemical Information: Chemtrec:	800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Section 2

Section 1

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;



Toxic if swallowed. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life.

GHS Classification:

Serious Eye Damage/Eye Irritation Category 1, Hazardous to the aquatic environment - Acute Category 1, Skin Corrosion/Irritation Category 2, Carcinogenicity Category 2, Reproductive Toxicity Category 2, Acute Toxicity - Oral Category 3

Other Safety Precautions:	IF exposed or concerned: Get medical advice/attention.
Acute Toxicity Dermal Contains Acute Toxicity Inhalation Gas Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Vapor Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Dust/Mist Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3

Composition / Information on Ingredients

Chemical Name **Crystal Violet**

CAS # 548-62-9

% 100

Section 4

First Aid Measures

Emergency and First Aid Procedures

Section 5	Firefighting Procedures
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Skin Contact:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Firefighting Procedures

Extinguishing Media: Fire Fighting Methods and Protection: Fire and/or Explosion Hazards: Hazardous Combustion Products: Section 6	breathing apparatus. Fire or excessive heat	ar full protective equipm may produce hazardou n monoxide, Nitrogen c	s decomposition produ	cts.
Released or Spilled: r t t t t t	Exposure to the spilled mat equipment recommendation necessary based on specia he quantity of the spill, the employees in the area resp Prevent the spread of any so o do so. Wear complete an ecommendation of Section granulated clay. Gather and Collect spillage.	ns found in Section 8 of I circumstances created area in which the spill of onding to the spill. spill to minimize harm to ad proper personal prote 8 at a minimum. Dike	this SDS. Additional p d by the spill including; occurred. Also consider human health and the ective equipment follow with suitable absorbent	recautions may be the material spilled, the expertise of environment if safe ving the material like
Section 7	Handling a	nd Storage		
Wash thoroughly at environment. Wear	uctions before use. Do not l ter handling. Do no eat, dri protective gloves/protective ed. Avoid direct sunlight ar	ink or smoke when usin e clothing/eye protectior	g this product. Avoid re	elease to the
	ep container tightly closed		d place.	
Storage: Store locked up. Ke	ep container tightly closed	in a cool, well-ventilated	d place.	
Storage: Store locked up. Ke Storage Code: Green - general che	ep container tightly closed mical storage	in a cool, well-ventilated	d place. OSHA (TWA) N/A	PEL (STEL) N/A
Storage: Store locked up. Ke Storage Code: Green - general che Section 8 Chemical Name	ep container tightly closed mical storage Protection I (TWA) N/A No exposure limits exis might be required to mi Lab coat, apron, eye w No respiratory protectio exhaust ventilation if sy	in a cool, well-ventilated nformation SIH (STEL) N/A st for the constituents of aintain operator comfor rash, safety shower. on required under norm ymptoms of overexposu	OSHA (TWA) N/A this product. General t under normal conditional co	(STEL) N/A room ventilation ons of use. rovide general room
Storage: Store locked up. Ke Storage Code: Green - general che Section 8 Chemical Name Crystal Violet Control Parameters Engineering Measures: Personal Protective Equipment (PPE): Respiratory Protection: Respirator Type(s):	ep container tightly closed mical storage Protection I (TWA) N/A No exposure limits exis might be required to mic Lab coat, apron, eye w No respiratory protection exhaust ventilation if sy respirator is not norma None required where a above the applicable existence	in a cool, well-ventilated nformation SIH (STEL) N/A st for the constituents of aintain operator comfor rash, safety shower. on required under norm ymptoms of overexposu. Ily required. udequate ventilation is p xposure limits, use NIO	OSHA (TWA) N/A this product. General t under normal condition al conditions of use. Pr ire occur as explained provided. If airborne cor SH/MSHA approved re	(STEL) N/A room ventilation ons of use. rovide general room Section 11. A ncentrations are espiratory protection.
Storage: Store locked up. Ke Storage Code: Green - general che Section 8 Chemical Name Crystal Violet Control Parameters Engineering Measures: Personal Protective Equipment (PPE): Respiratory Protection:	ep container tightly closed mical storage Protection I ACC (TWA) N/A No exposure limits exis might be required to mili- Lab coat, apron, eye w No respiratory protection exhaust ventilation if sy respirator is not norma None required where a above the applicable ex- Wear chemical splash available. Avoid skin contact by w equipment depending of and replace at regular	in a cool, well-ventilated nformation SIH (STEL) N/A st for the constituents of aintain operator comfor ash, safety shower. on required under norm ymptoms of overexposu lly required. idequate ventilation is p	OSHA (TWA) N/A this product. General t under normal condition al conditions of use. Pr ire occur as explained rovided. If airborne cor SH/MSHA approved re this product. Have an stant gloves, an apron a Inspect gloves for cher ive equipment regularly	(STEL) N/A room ventilation ons of use. rovide general room Section 11. A ncentrations are espiratory protection. eye wash station and other protective mical break-through J. Wash hands and

Physical Data

Section 9

Formula: C25H30N3Cl Molecular Weight: 407.97 Appearance: Metallic Green Solid Odor: No data available Odor Threshold: No data available pH: No data available Melting Point: No data available Boiling Point: No data available Flash Point: No data available Flammable Limits in Air: No data available

Vapor Pressure: No data available Evaporation Rate (BuAc=1): No data available Vapor Density (Air=1): No data available Specific Gravity: o data available Solubility in Water: Soluble Log Pow (calculated): 0.51 Autoignition Temperature: No data available Decomposition Temperature: 215 C Viscosity: No data available Percent Volatile by Volume: No data available

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Reactivity Data

Reactivity: Chemical Stability: Conditions to Avoid: Incompatible Materia Hazardous Decompo Hazardous Polymeriz	sition Products:	Not generally reactive under normal conditions. Stable under normal conditions. Elevated temperatures Strong oxidizing agents Hydrogen chloride, Nitrogen containing gases, Carbon dioxide, Carbon monoxide Will not occur				
Section 11		Toxici	ty Data			
Routes of Entry Symptoms (Acute): Delayed Effects:		stion, and Skin contact. /stem, Respiratory disord	ders			
Acute Toxicity: Chemical Name Crystal Violet		CAS Number 548-62-9	Oral LD50 Oral LD50 Rabbit 150 mg/kg Oral LD50 Mouse 96 mg/kg	Dermal LD50 Not determined	Inhalation LC50 Not determined	
Carcinogenicity: Chemical Name Crystal Violet		CAS Number 548-62-9	IARC Not listed	NTP Not listed	OSHA Not listed	
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects Acute: Chronic:	No evidence of a mutagenic effect. Evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. Evidence of negative effects on the unborn fetus. fects: Cardiovascular system, Respiratory system No data available					
Section 12		E	cological Data			
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effect	This ma types. Adsorbs Biocono Biodegr	ecological hazard. This aterial is expected to hav s to soil. centration may occur. rades quickly.	product may be toxic to	plants and/or wildlife.		
Chemical Name		CAS Number	Eco Toxicity			

Section 13

Crystal Violet

Disposal Information

548-62-9

Disposal Methods:

Waste Disposal Code(s):

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. Not Determined

Section 14

Transport Information

Ground - DOT Proper Shipping Name: Not regulated for transport by US DOT. **Air - IATA Proper Shipping Name:** Not regulated for air transport by IATA.

Section 15		Regulatory Information				
TSCA Status:	All comp	onents in this proc	luct are on the	TSCA Inventory.		
Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Crystal Violet	548-62-9	No	No	No	No	No

Section 16

Additional Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Replaces: 09/03/2014

Glossary

ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health