



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Crystal Violet		
Catalogue Number:	ASC-1009	CAS Number:	548-62-9
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)	
Acute oral toxicity	Category 4
Serious Eye Damage/Eye Irritation	Category 1
Carcinogenicity	Category 2
Label Elements	
Signal Word	Danger
Hazard Statements	Harmful if swallowed Causes serious eye damage Suspected of causing cancer
Precautionary Statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	IF exposed or concerned: Get medical attention/advice
Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth.
Storage	Store locked up
Disposal	Dispose of contents/container to an approved waste disposal plant.
Hazards not classified (HNOC) otherwise	Very toxic to aquatic life with long lasting effects.



Section 3: Composition / Information on Ingredients		
Component	CAS No	Weight %
C.I. Basic violet 1	548-62-9	~ 100.0

Section 4: First Aid Measures	
General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms and effects	None reasonably foreseeable. Causes severe eye damage.
Notes to Physician	Treat symptomatically

Section 5: Firefighting Measures			
Suitable Extinguishing Media		Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.	
Unsuitable Extinguishing Media		No information available	
Flash Point		Not applicable	
Autoignition Temperature		No information available	
Explosion Limits		No data available	
Upper		No data available	
Lower		No information available	
Sensitivity to Mechanical Impact		No information available	
Sensitivity to Static Discharge		No information available	
Specific Hazards Arising from the Chemical		Thermal decomposition can lead to the release of irritating gases and vapors. Do not allow run-off from firefighting to enter drains or water courses.	
Hazardous Combustion Products		Carbon monoxide (CO). Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen chloride gas.	
Protective Equipment and Precautions for Firefighters		As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
NFPA			
Health	Flammability	Instability	Physical hazards
2	1	1	N/A



Section 6: Accidental Release Measures	
Personal Precautions	Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.
Environmental Precautions	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate the ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and storage	
Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong reducing agents.

Section 8: Exposure Controls / Personal Protection	
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure. Limits established by the region-specific regulatory bodies.
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protective Equipment	
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties	
Physical State	Solid
Appearance	Green
Odor	Odorless
Odor Threshold	No information available
pH	No information available



Melting Point/Range	No data available
Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	No information available
Flammability or explosive limits	No data available
Upper	No data available
Lower	No data available
Vapor Pressure	negligible
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	Soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C ₂₅ H ₃₀ ClN ₃
Molecular Weight	407.6831

Section 10: stability and Reactivity	
Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions. Light sensitive.
Conditions to Avoid	Avoid dust formation. Incompatible products. Excess heat. Exposure to light.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong reducing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Hydrogen chloride gas
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.



Section 11: Toxicological Information						
Acute Toxicity						
Product Information						
Component Information						
Component	LD50 Oral		LD50 Dermal		LC50 Inhalation	
C.I. Basic violet 1	LD50 = 420 mg/kg (Rat)		Not listed		Not listed	
Toxicologically Synergistic Products			No information available			
Delayed and immediate effects as well as chronic effects from short and long-term exposure						
Irritation			Severe eye irritant			
Sensitization			No information available			
Carcinogenicity			The table below indicates whether each agency has listed any ingredient as a carcinogen.			
Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
C.I. Basic violet 1	548-62-9	Group 2B	Not listed	Not listed	X	Not listed
Mutagenic Effects		No information available				
Reproductive Effects		No information available				
Developmental Effects		No information available				
Teratogenicity		No information available				
STOT - single exposure		None known				
STOT - repeated exposure		None known				
Aspiration hazard		No information available				
Symptoms / effects, both acute and delayed		No information available				
Endocrine Disruptor Information		No information available				
Other Adverse Effects		The toxicological properties have not been fully investigated.				

Section 12: Ecological Information				
Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.			
Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
C.I. Basic violet 1	EC50 = 0.025 - 0.8 mg/l, 72h	Not listed	Not listed	EC50 = 0.24 - 5 mg/l, 48 h



	(Pseudokirchneriella subcapitata) OECD 201			(Daphnia magna (Water flea)) OECD 202
Persistence and Degradability		Soluble in water Persistence is unlikely based on information available.		
Bioaccumulation/ Accumulation		No information available.		
Mobility		Will likely be mobile in the environment due to its water solubility.		
Component		C.I. Basic violet 1		
log Pow		0.51		

Section 13: Disposal Consideration

Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
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Section 14: Transport Information

DOT UN-No Proper Shipping Name Technical Name Hazard Class Packing Group	UN3077 Environmentally hazardous substances, solid, n.o.s. C.I. Basic violet 1 9 III
TDG UN-No Proper Shipping Name Hazard Class Packing Group	UN3077 Environmentally hazardous substances, solid, n.o.s. 9 III
IATA UN-No Proper Shipping Name Hazard Class Packing Group	UN3077 Environmentally hazardous substances, solid, n.o.s. 9 III
IMDG/IMO UN-No Proper Shipping Name Hazard Class Packing Group	UN3077 Environmentally hazardous substances, solid, n.o.s. 9 III

Section 15: Regulatory Information

United States of America Inventory				
Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
C.I. Basic violet 1	548-62-9	X	ACTIVE	-



Legend: TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed										
TSCA 12(b) - Notices of Export					Not applicable					
International Inventories										
Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).										
Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
C.I. Basic violet 1	548-62-9	X	-	208-953-6	X	X	X	X	X	KE-07006
U.S. Federal Regulations										
SARA 313					Not applicable					
SARA 311/312 Hazard Categories					See section 2 for more information					
CWA (Clean Water Act)					Not applicable					
Clean Air Act					Not applicable					
OSHA - Occupational Safety and Health Administration					Not applicable					
CERCLA					Not applicable					
California Proposition 65					This product contains the following Proposition 65 chemicals.					
Component	CAS No		California Prop. 65		Prop 65 NSRL		Category			
C.I. Basic violet 1	548-62-9		Carcinogen		-		Carcinogen			
U.S. State Right-to-Know Regulations					Not applicable					
U.S. Department of Transportation										
Reportable Quantity (RQ)					N					
DOT Marine Pollutant					N					
DOT Severe Marine Pollutant					N					
U.S. Department of Homeland Security					This product does not contain any DHS chemicals.					
Other International Regulations										
Mexico - Grade					No information available					



Authorization /Restrictions according to EU REACH					
Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)		
C.I. Basic violet 1	-	Use restricted. See item 28. (see link for restriction details) Use restricted. See item 72. (see link for restriction details) Use restricted. See item 75. (see link for restriction details)	SVHC Candidate list - Carcinogenic (Article 57a)		
After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.					
Safety, health, and environmental regulations/legislation specific for the substance or mixture					
Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
C.I. Basic violet 1	548-62-9	Not applicable	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
C.I. Basic violet 1	548-62-9	Not applicable	Not applicable	Not applicable	Not applicable
Section 16: Additional Notes					
Documented By	Ausamics Life Science Sales@Ausamics.com				
Revision date	June 03, 2023				



Summary of Revisions	This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS).
Disclaimer	The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.