

Safety Data Sheet

Crystal Violet

Section 1

Product Description

Product Name: Crystal Violet
Recommended Use: Science education applications
Synonyms: 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

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Section 10

Reactivity Data

Reactivity:	Not generally reactive under normal conditions.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Elevated temperatures
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Hydrogen chloride, Nitrogen containing gases, Carbon dioxide, Carbon monoxide
Hazardous Polymerization:	Will not occur

Section 11

Toxicity Data

Routes of Entry	Inhalation, Ingestion, and Skin contact.
Symptoms (Acute):	Cardiovascular system, Respiratory disorders
Delayed Effects:	No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Crystal Violet	548-62-9	Oral LD50 Rabbit 150 mg/kg Oral LD50 Mouse 96 mg/kg	Not determined	Not determined

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Crystal Violet	548-62-9	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity:	No evidence of a mutagenic effect.
Teratogenicity:	Evidence of a teratogenic effect (birth defect).
Sensitization:	No evidence of a sensitization effect.
Reproductive:	Evidence of negative effects on the unborn fetus.
Target Organ Effects:	
Acute:	Cardiovascular system, Respiratory system
Chronic:	No data available

