

Cresyl Violet

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Cresyl Violet

Product Code 190

Manufacturer EMD Chemicals Inc.

P.O. Box 70
480 Democrat Road
Gibbstown, NJ 08027

Effective Date 3/3/2003

Prior to January 1, 2003 EMD Chemicals Inc. was
EM Industries, Inc. or EM Science, Division of
EM Industries, Inc.

For More Information Call

856-423-6300 Technical Service
Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call

800-424-9300 CHEMTREC
(USA)
613-996-6666 CANUTEC
(Canada)
24 Hours/Day: 7 Days/Week

Synonym CRESOL FAST VIOLET

Material Uses Research & Development.

Chemical Family Dye.

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
CRESOL VIOLET ACETATE	10510-54-0	100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Solid crystalline powder.)

Emergency CAUTION!

Overview Handling care generally in keeping with safe laboratory practices is recommended.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes No known acute effects of this product resulting from eye contact.

Skin No known acute effects of this product resulting from skin contact.

Inhalation No known acute effects of this product resulting from inhalation.

Ingestion No known acute effects of this product resulting from ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately

Cresyl Violet

flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Spill Kit Information	No specific spill kit required for this product.

Section 7. Handling and Storage

Handling	Avoid breathing dust. Do not ingest.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes Safety glasses.

Body Lab coat.

Respiratory Not applicable.

Hands Not applicable.

Feet Not applicable.

Protective Clothing**(Pictograms)**

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
---------------------	------------------------

CRESOL VIOLET ACETATE	Not available.
-----------------------	----------------

Section 9. Physical and Chemical Properties

Odor Not available.

Color Green. (Dark.)

Physical State and Appearance Solid. (Solid crystalline powder.)

Appearance

Molecular Weight 321.32 g/mole

Molecular Formula C₁₈H₁₅N₃O₃

pH Not available.

Boiling/Condensation Point Not available.

Point

Melting/Freezing Point Not available.

Point

Specific Gravity Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Odor Threshold Not available.

Evaporation Rate Not available.

LogKow Not available.

Solubility Not available.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Reactivity

Conditions of Instability Not available.

Instability

Incompatibility with Various Substances Reactive with oxidizing agents.

Various Substances

Rem/Incompatibility Not available.

Hazardous Decomposition carbon oxides (CO, CO₂) , nitrogen oxides (NO, NO₂...)

Cresyl Violet

Products
Hazardous Will not occur.
Polymerization

Section 11. Toxicological Information

RTECS Number:

Cresyl Violet Acetate, Certified Not available.
Biological Stain

Toxicity LD50: Not available.
LC50: Not available.

Chronic Effects on Not available.

Humans

Acute Effects on Not available.

Humans

Synergetic Products Not available.

(Toxicologically)

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic This material is not known to cause cancer in animals or humans.

Effects

Toxicity to Not available.

Reproductive

System

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Toxicity of the The product itself and its products of degradation are not toxic.

Products of

Biodegradation

Section 13. Disposal Considerations

EPA Waste Not available.

Number

Treatment

Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

Section 14. Transport Information

DOT Classification Not available.

TDG Classification Not available.

IMO/IMDG Not available.

Classification

ICAO/IATA Not available.

Classification

Section 15. Regulatory Information

Cresyl Violet

U.S. Federal Regulations

This material is not listed on the TSCA Inventory. For research and development use only, not for manufacturing or commercial purposes. SARA 302/304/311/312 extremely hazardous substances: No products 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 chemical 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.

WHMIS (Canada)

Not controlled under WHMIS (Canada).
No products were found.
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

EINECS CRESOL VIOLET ACETATE 234–043–3
DSCL (EEC) This product is not classified according to the EU regulations.
International Lists Korea (TCCL): CRESOL VIOLET ACETATE

State Regulations

China: No products were found.
No products were found.
California prop. 65: No products were found.

Section 16. Other Information

National Fire Protection Association (U.S.A.)	1	Fire Hazard
	20	Health
		Reactivity
		Specific Hazard

Changed Since Last Revision +

Notice to Reader

The statements contained herein are based upon technical data that EMD Chemicals Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure

Cresyl Violet

proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. EMD CHEMICALS INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.
