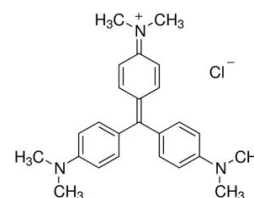




CRYSTAL VIOLET FOR MICROSCOPY

PRODUCT CODE	R01149
SYNONYMS	--
C.I. NO.	42555
CASR NO.	(548-62-9)
ATOMIC OR MOLECULAR FORMULA	C₂₅H₃₀ClN₃
ATOMIC OR MOLECULAR WEIGHT	407.99
PROPERTIES	----
PARAMETER	LIMIT
Description	Greenish bronze crystals/ powder, odourless/almost odourless.
Solubility	Soluble in 200 parts of water: very soluble in alcohol (95%), soluble in chloroform & in 30 parts of glycerol, insoluble in solvent ether.
Identification	Passes test
Dye content (Titanometry ; on dried substance)	Min. 96.0%
Absorption maximum (in water)	580-595 nm
Absorption ratio (A λ Max – 15 nm) (A λ Max + 15 nm)	0.98-1.20
Absorptivity (A1%/ 1 cm at λ Max, in water)	2000-2450
Suitability for microscopy	Passes test
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (at 110°C)	9.0%
Sulphated ash	3.0%
Alcohol insoluble matter	1.0%
Arsenic (As)	0.0004%
Lead (Pb)	0.001%
Zinc (Zn)	Passes test


Note(s) : Assay (if applicable) method mentioned.
DANGER

Hazard statements : May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/ vapours/spray. Avoid breathing dust/fume/gas/mist/ vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/ eye protection/face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/ attention. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. Collect spillage.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

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Hazard Pictogram(s) :-



GHS05

GHS07

 IMDG Code : 9/III
 UN No. 3077
 IATA 9

Replace Date 1 April 2023

• Head Office: 301 MM Nagar, Ahmedabad (Gujarat)

