

Identification

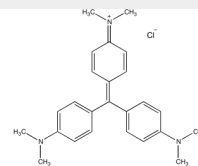
C₂₅H₃₀ClN₃

M = 407,99 g/mol

CAS [548-62-9]

EC number: 208-953-6

Taric code: 3204 13 00



Synonyms

Hexamethylenepararosaniline chloride, Hexamethyl-p-rosanilinium chloride, Methyl violet 10 B

Applications

analytical chemistry, microscopy, indicator.

Specifications

dye content (spectrophotometric)..... min. 85 %
Absorption maximum λ max (in H₂O)..... 589 - 594 nm
Absorptivity (A 1%/1 cm; (λ max; 0,002 g/l; H₂O)2000 - 2450

loss on drying max. 10 %
suitability as indicator in TLC test..... passes test
non-aqueous solvents..... passes test

Physical data

- Appearance: flakes, bright white, up to 0,5cm
- Spec. Density: 1,19 g/cm³
- Bulk density: ~ 220 - 400 kg/m³
- Solub. in water: (20 °C): 10 g/l
- Melting point: 189 - 194 °C
- pH(10 g/l H₂O, 20 °C) 2,5 - 3,5

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H302: Harmful if swallowed.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Crystal violet, C.I. 42555)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Crystal violet, C.I. 42555)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Crystal violet, C.I. 42555)
- PAX: 911
- CAO: 911
- 5°C - 30°C