

## Crystal violet, C.I. 42555, indicator, EssentQ®

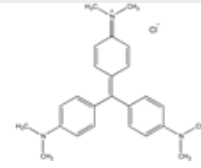
**Identification**C<sub>25</sub>H<sub>30</sub>ClN<sub>3</sub>

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  $\lambda$  max (in H<sub>2</sub>O)..... 589 - 594 nmAbsorptivity (A 1%/1 cm; (I max; 0,002 g/l; H<sub>2</sub>O)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/cm<sup>3</sup>• Bulk density: ~ 220 - 400 kg/m<sup>3</sup>

• Solub. in water: (20 °C): 10 g/l

• Melting point: 189 - 194 °C

• pH(10 g/l H<sub>2</sub>O, 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