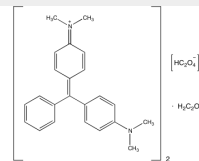


Malachite green oxalate, C.I. 42000, reagent and microscopy grade
Identification

$C_{50}H_{52}O_8N_4 \cdot H_2C_2O_4$
 $M = 927,02 \text{ g/mol}$
 CAS [2437-29-8]
 EC number: 219-441-7
 Taric code: 3204 13 00


Synonyms

Diamond green B

Applications

analytical chemistry, for microbiology, microscopy.

Specifications

identity.....	passes test	Absorptivity (A1%/1 cm; I max; 0,003 g/l,H2O)...	1730 - 1960
Absorption maximum I (in H2O).....	616 - 620 nm	loss on drying (110 °C).....	max. 7 %
		TLC test.....	passes test

Physical data

- Bulk density: ~ 400 - 500 kg/m³
- Solub. in water: (24 °C): 110 g/l
- Melting point: ~ 159 °C
- pH(10 g/l H₂O, 24 °C) 2,4

Safety - GHS

Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.
 H318: Causes serious eye damage.
 H361d: Suspected of damaging the unborn child.
 H410: Very toxic to aquatic life with long lasting effects.


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: 6.1 T2 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Malachite green oxalate, C.I. 42000)
- IMDG: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Malachite green oxalate, C.I. 42000)
- IATA/ICAO: 6.1 III • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Malachite green oxalate, C.I. 42000)
- PAX: 655
- CAO: 619
- 5°C - 30°C