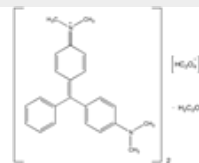


**Malachite green oxalate, C.I. 42000, reagent and microscopy grade****Identification**

$C_{50}H_{52}O_8N_4 \cdot H_2C_2O_4$   
M = 927,02 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; $\lambda$ max; 0,003 g/l,H <sub>2</sub> O)..	1730 - 1960
Absorption maximum $\lambda$ (in H <sub>2</sub> O).....	616 - 620 nm	loss on drying (110 °C).....	max. 7 %
		TLC test.....	passes test

**Physical data**

- Bulk density: ~ 400 - 500 kg/m<sup>3</sup>
- Solub. in water: (24 °C): 110 g/l
- Melting point: ~ 159 °C
- pH(10 g/l H<sub>2</sub>O, 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