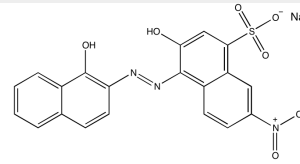


Eriochrome black T, C.I. 14645, indicator for metal titration**Identification**

C₂₀H₁₂N₃NaO₇S
M = 461,38 g/mol
CAS [1787-61-7]
EC number: 217-250-3
Taric code: 3204 19 00

**Synonyms**

Chrome black T, 2-Hydroxy-1-(1-hydroxy-2-naphthylazo)-6-nitronaphthalene-4-sulfonic acid sodium salt

Applications

analytical chemistry, indicator (metals), indicator of the hardness of water.

Specifications

Absorption maximum λ (pH + 10,0).....	619 - 624 nm	suitability as metal indicator.....	passes test
Absorptivity (A 1 %/1 cm; λ max;		loss on drying	max. 7 %
pH 10,0; on dried sample).....	270 - 370		

Physical data

- Appearance: powder, black
- Bulk density: ~ 400 - 600 kg/m³
- Solub. in water: (20 °C): 50 g/l
- pH(10 g/l H₂O, 20 °C) ~ 3,7

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice / attention.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 17590 mg/kg
- WGK: 3*

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Eriochrome black T, C.I. 14645)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Eriochrome black T, C.I. 14645)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Eriochrome black T, C.I. 14645)
- PAX: 911
- CAO: 911
- Store between 15°C and 25°C