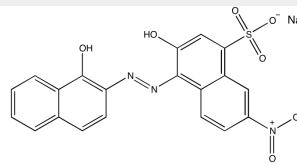


# Eriochrome black T, C.I. 14645, indicator for metal titration

## Identification

C<sub>20</sub>H<sub>12</sub>N<sub>3</sub>NaO<sub>7</sub>S  
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 I (pH + 10,0).....                      | 619 - 624 nm | suitability as metal indicator..... | passes test |
| Absorptivity (A 1 %/1 cm; I max; pH 10,0; on dried sample) | 270 - 370    | loss on drying .....                | max. 7 %    |

## Physical data

- Appearance: powder, black
- Bulk density: ~ 400 - 600 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 50 g/l
- pH(10 g/l H<sub>2</sub>O, 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.

## 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
- 10°C - 30°C