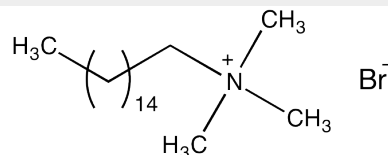


Hexadecyltrimethylammonium bromide, EssentQ®
Identification

$C_{19}H_{42}BrN$
 $M = 364,46 \text{ g/mol}$
CAS [57-09-0]
EC number: 200-311-3
Taric code: 2923 90 00


Synonyms

Cetrimonium bromide, Trimethylhexadecylammonium bromide, N-Cetyl-N,N,N-trimethylammonium bromide, CTAB

Applications

chromatography, detergent, antiseptic, laboratory reagent, synthesis of organic products.

Specifications

assay (argentometric)..... min. 96 %

Physical data

- Bulk density: ~ 390 kg/m³
- Solub. in water: (20 °C): 3 g/l
- Melting point: 237 - 243 °C
- pH(50 g/l H₂O, 20 °C) 5 - 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
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.
P321: Specific treatment (see on this label).
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.(Hexadecyltrimethylammonium bromide)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hexadecyltrimethylammonium bromide)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hexadecyltrimethylammonium bromide)
- PAX: 911
- CAO: 911
- 5°C - 30°C