

## Description

Cetyl bromide is a clear, colorless to yellow liquid that melts at 64 °F (18 °C).

Synonyms: Hexadecyl bromide  
1-Bromohexadecane  
Chemical formula:  $C_{16}H_{33}Br$ ,  $CH_3-(CH_2)_{14}-CH_2Br$   
Molecular weight: 305.33

## Applications

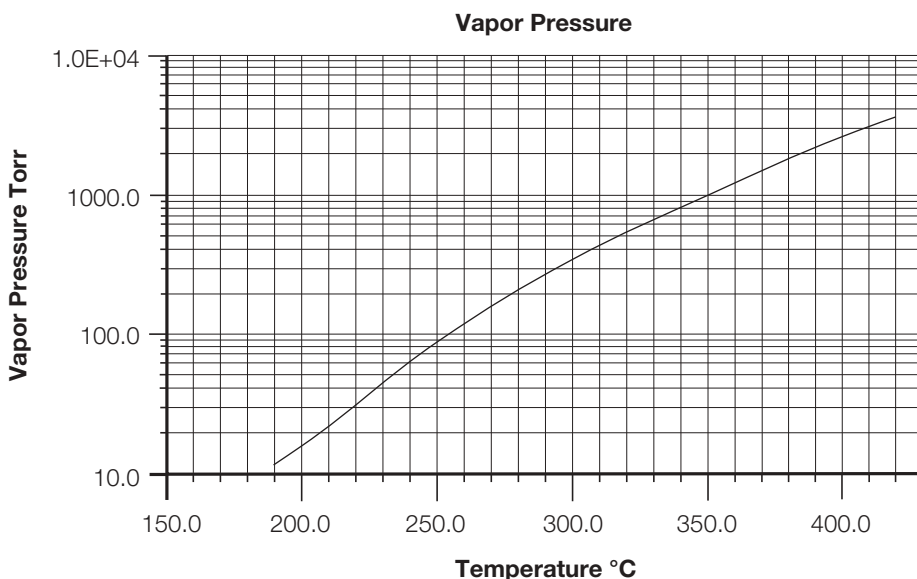
Organic synthesis  
Surfactant manufacturing  
Imaging chemicals

## Specifications

Appearance, 20 °C, visual ..... clear liquid  
Assay, GC, % wt .....  $\geq 98.0$   
Water (Karl Fischer), % wt .....  $\leq 0.1$   
Color, spectrophotometry, APHA .....  $\leq 100$

## Physical Properties

Appearance ..... clear liquid  
Density, 20 °C, g/cm<sup>3</sup> (lb/gal) ..... 0.995 (8.3)  
Flash point, °F (°C) ..... 230 (> 110)  
Boiling point, 760 mm Hg, °F (°C) ..... 637 (336)  
Boiling point, 11 mm Hg, °F (°C) ..... 374 (190)  
Boiling point, 1 mm Hg, °F (°C) ..... 300 (149)  
Melting point, °F (°C) ..... 64 (18)  
Solubility in water ..... very slight



## Shipping Information

### Container Information

Available in bulk and 180 kg high-density polyethylene-lined steel drums.  
Shipped 4 drums per pallet.

### Shipping Classification

Proper shipping name: not regulated for transportation  
Hazard classification: NA  
ID number: NA  
Placard: NA  
Label: NA

## Safety and Handling Information

For specific safety, handling and toxicity information, please refer to the current material safety data sheet.

## Chemical Registration Numbers

CAS: 112-82-3  
EINECS: 204-008-7

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