

# Safety (MSDS) data for decamethonium dibromide



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## General

Synonyms: decamethoniumdibromide,  
decamethylenebis(trimethylammonium bromide), decacuran,  
decamethylene-1,10-bistrimethylammonium dibromide,  
N,N,N,N',N',N'-hexamethyl-1,10-decanediaminium dibromide,  
syncurine

Use: muscle relaxant

Molecular formula:  $C_{16}H_{30}N_2Br_2$

CAS No: 541-22-0

EINECS No:

## Physical data

Appearance: crystalline solid

Melting point: 268 - 270 C

Boiling point:

Vapour density:

Vapour pressure:

Density ( $g\ cm^{-3}$ ):

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: substantial

## Stability

Stable. Incompatible with strong oxidizing agents.

## Toxicology

Toxic.

### Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here.](#))

IPR-RAT LD50 2.9 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R23 R24 R25.

## Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

Non-hazardous for air, sea and road freight.

## Personal protection

Safety glasses, gloves, good ventilation.

### Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

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