

Technical Data Sheet

SDDC, aqueous solution

Chemical Synonym

Sodium Dimethyldithiocarbamate, Dibam Carbamodithioic acid, dimethyl-, sodium salt (CAS)

Applications

- Water treatment industrial

Product Description

SDDC (Sodium Dimethyldithiocarbamate) is a yellowish aqueous solution and is used in the following applications:

- Biocide for paper mills, sugar mills, water treatment, leather industry
- Heavy metal scavenger

Typical Properties

Property	Typical Value, Units
General	
Appearance	Yellowish aqueous solution
Density @ 20°C	1.18 g/mL
Molecular Weight	143.2
Partition coefficient	-2.28
Solubility	Miscible with water
Vapor Pressure @ 25°C	Pa

Packaging

- High-density polyethylene drums, 60 & 210 litres
- IBC 1190 litres
- Stainless-steel road tankers

Storage

SDDC solution should be stored in its original container or a stainless steel tank in a ventilated location protected from frost.

Keep away from acids to avoid release of CS₂.

The 40% solution crystallizes at -2°C. The 42% solution crystallizes at +3°C.

SDDC solution corrodes copper, zinc and their alloys. On contact with ordinary steel it rapidly forms a black precipitate.

The following plastics are suitable for joints and pipes: HD polyethylene, polypropylene, polytetrafluoro-ethylene (Teflon) and polyamide (Nylon 6).

Our trials have shown that SDDC solutions show no variation in assay after storage in the original pack below 30°C for 24 months.

SDDC is very toxic to aquatic organisms, release into the environment must be avoided. In the event of accidental spillage, cover the product with an absorbent material and send to a treatment plant for chemical waste. Do not release SDDC solutions into the drains.

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