

Safety (MSDS) data for cefotaxime sodium

General

Synonyms: cefotaxime sodium salt, sodium 7-(2-(2-amino-4-thiazolyl)-2-methoxyiminoacetamido)cephalosporanate, claforan, CTX

Use: cephalosporin antibiotic

Molecular formula: $C_{16}H_{16}N_5NaO_7S_2$

CAS No: 64485-93-4

EINECS No: 264-915-9

MDL No: MFCD00079073

Physical data

Appearance: solid

Melting point:

Boiling point:

Vapour density:

Vapour pressure:

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

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: soluble

Stability

Stable. Incompatible with strong oxidizing agents.

Toxicology

May be harmful if swallowed, inhaled or absorbed through the skin. May cause sensitization by skin contact, or if breathed in. May cause an allergic reaction. [Note: Cephalosporins and penicillins have similar chemical structures. Because of this, it is believed that those individuals who are allergic to one class of compounds may show an increased risk of cross-allergenicity when a member of the other class is encountered.] Toxicology not fully investigated.

Toxicity data

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

ORL-RAT LD50 > 20000 mg kg⁻¹

IPR-RAT LD50 > 10000 mg kg⁻¹

IVN-RAT LD50 > 7000 mg kg⁻¹

Risk phrases

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

R36 R37 R38 R42 R43.

Transport information

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

Personal protection

Safety glasses.

Safety phrases

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

S22 S36 S37.

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This information was last updated on August 7, 2004. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.
