

# Safety (MSDS) data for amoxicillin

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## General

Synonyms: (2S,5R,6R)-6-[[[(2R)-amino(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, amosine, amoxa, amoxapen, amoxi, amoxibiotic, amoxicillin, amoxisol, amoxyphen, ardine, biomox, bristamox, delacillin, histocillin, sumox, numerous further trade names

Use:

Molecular formula:  $C_{16}H_{19}N_3O_5S$

CAS No: 26787-78-0

EINECS No: 248-003-8

## 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 cause sensitization by skin contact, or lead to allergic reaction.  
This material is believed to show cross-allergenicity with penicillin.

## Toxicity data

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

ORL-RAT LD50 > 15000 mg kg<sup>-1</sup>

IPR-RAT LD50 2870 mg kg<sup>-1</sup>

SCU-RAT LD50 > 8000 mg kg<sup>-1</sup>

SCU-MUS LD50 > 20 mg kg<sup>-1</sup>

## Risk phrases

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

R42 R43.

# Transport information

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

# Personal protection

Safety glasses. Discontinue use if allergic symptoms develop.

## Safety phrases

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

S36.

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