

# Safety (MSDS) data for 4,4'-sulfonyldianiline



## General

Synonyms: 4,4'-diaminodiphenyl sulfone, 4,4'-sulfonylbisbenzamine, bis(4-aminophenyl)sulfone, bis(4-aminophenyl)sulphone, di(p-aminophenyl)sulfone, di(4-aminophenyl)sulfone, diaphenylsulfon, dapsone, avlosulfon, cryosulfone, dapps, dds, diphenasone, disulone, dss, diphone, eporal, maloprim, metabolite c, tarimyl, numerous further systematic and trade names

Use: antibacterial drug

Molecular formula:  $C_{12}H_{12}N_2O_2S$

CAS No: 80-08-0

EINECS No:

## Physical data

Appearance: white crystalline powder

Melting point: 175 - 176 C

Boiling point:

Vapour density:

Vapour pressure:

Density ( $g\ cm^{-3}$ ): 1.33

Flash point:

Explosion limits:

Autoignition temperature:  
Water solubility: negligible

## Stability

Stable. Combustible. Incompatible with strong oxidizing agents.

## Toxicology

Harmful if swallowed, inhaled or absorbed through the skin.  
Experimental mutagen and neoplastigen.

### Toxicity data

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

ORL-RAT LD50 1000 mg kg<sup>-1</sup>

ORL-HMN TDLO 18000 mg kg<sup>-1</sup>/15y

ORL-WMN TDLO 28 mg kg<sup>-1</sup>

IPR-MUS LD50 313 mg kg<sup>-1</sup>

SCU-MUS LD50 329 mg kg<sup>-1</sup>

### Risk phrases

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

R20 R21 R22.

## Transport information

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

## Personal protection

Safety glasses. Do not breathe dust.

## **Safety phrases**

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

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