Safety (MSDS) data for methoxyflurane

General

Synonyms: 1,1-difluoro-2,2-dichloro-1-methoxyethane, DA759, 2,2-dichloro-1,1-difluoroethyl methyl ether, metofane, penthrane, pentran, pentrane, analgizer, anecotan, ingalan, inhala, methoflurane, methoxane, metoxifluran, MOF, MSC-110432
Use: inhalation anesthetic
Molecular formula: C$_3$H$_4$Cl$_2$F$_2$O
CAS No: 76-38-0
EC No:

Physical data

Appearance: colourless liquid
Melting point: -35 C
Boiling point: 105 C
Vapour density:
Vapour pressure:
Density (g cm$^{-3}$): 1.426
Flash point: 63 C
Explosion limits:
Autoignition temperature:
Water solubility: negligible
Stability

Toxicology

May cause systemic effects in humans if inhaled. Experimental teratogen. Eye irritant.

**Toxicity data**
(The meaning of any abbreviations which appear in this section is given [here.])

- ORL-HMN LDLO 140 mg kg\(^{-1}\)
- IHL-HMN TCLO 3500 ppm/1h
- IHL-RAT LD50 123 g/m\(^3\)/4h
- IHL-MUS LC50 118 g/m\(^3\)/2h
- IHL-MAM LC50 34 g/m\(^3\)

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

R20.

**Transport information**

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

UN No 8027. Hazard class 9.

**Personal protection**

Safety glasses, adequate ventilation.

**Safety phrases**
(The meaning of any safety phrases which appear in this section is given [here.])
This information was last updated on June 13, 2005. 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.