

# Safety (MSDS) data for isoflurane

---

## General

Synonyms: 1-chloro-2,2,2-trifluoroethyl difluoromethyl ether, isoflurane, forane, aerrane

Use: anaesthetic

Molecular formula:  $C_3H_2ClF_5O$

CAS No: 26675-46-7

EC No: 247-897-7

## Physical data

Appearance: colourless liquid

Melting point:

Boiling point:

Vapour density:

Vapour pressure: 330 mm Hg at 25 C

Density ( $g\ cm^{-3}$ ): 1.45

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: insoluble

## Stability

Stable.

## Toxicology

Irritant. Chronic exposure may be harmful. Anaesthetic.

### **Toxicity data**

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

IHL-RAT LC50 15300 ppm/3h

### **Risk phrases**

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

R36 R37 R38.

## **Transport information**

Non-hazardous for air, sea and road freight.

## **Personal protection**

Safety glasses, good ventilation.

### **Safety phrases**

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

S26 S36 S37 S39.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

---

This information was last updated on May 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.

---