

# METHYL MERCAPTAN (CH<sub>3</sub>SH)



AIR LIQUIDE

## Gas Description

Methyl Mercaptan is a colourless gas with a strong rotten cabbage like odour. It is a naturally occurring substance that can be found in the blood, brain and other tissues of both people and animals. It occurs naturally in certain foods, for example nuts and cheese.

### Typical applications :

Manufactured for use in the plastics industry  
Used in pesticides  
Jet fuel additive

### Transport Regulations :

UN Number : 1064  
Shipping Name : METHYL MERCAPTAIN  
Class : 2.3: Poisonous gases  
CAS Number : 74-93-1  
Hazchem : 2WE

[Click here](#) for MSDS

[Click here](#) for more information

## Physical Properties

Chemical symbol : CH<sub>3</sub>SH  
Molecular weight : 48.11  
Specific gravity (Air=1) : 1.66  
Specific volume (m<sup>3</sup>/kg) : 0.47  
Critical temperature : 197°C  
Boiling point : NDA

Melting Point : NDA  
Critical pressure (bar) : 72.39  
Major hazards : Inhalation and Fire  
Toxicity : TWA 0.5ppm STEL  
Flammability Range : 4.1 - 21% ref N°186  
Odour : Extreme

[Click here](#) for more information

## Methyl Mercaptan

### Gas

Typical impurities  
(ppm molar)

### Cylinder information

Cylinder Size

Valve Connection

Pressure (kPa)

Contents (m<sup>3</sup>)

Available Upon Request  
Call For Supply Information

### Recommended Equipment

For further information [Contact](#) the specialty gases representative in your region.