TRIMETHYLAMINE (C_3H_9N)

Synonyms : N,N-dimethyl-Methylamine; Methylamine, N,N-dimethyl

AIR LIQUIDE

Gas Description

Trimethylamine is a colourless, flammable and toxic gas.with a gas density at STP 2.65 kg/m^3. It becomes corrosive when wet and has a pungent fishy odour. Trimethylamine is used mostly as a reactive agent in the chemical industry.

Typical applications :

Insect attractant
To manufacture disinfectant insecticides, herbicides
In the manufacture of quateranry ammonium compounds
In the manufacture of plastics

Transport Regulations :

UN Number : 1083
Shipping Name : TRIMETHYLAMINE, ANHYDROUS
Class : 2.1: Flammable gases
CAS Number : 75-50-3
Hazchem : 2PE

Click here for MSDS
Click here for more information

Physical Properties

Chemical symbol : C_3H_9N
Molecular weight : 59.11
Specific gravity (Air=1) : 2.087
Specific volume (m^3/kg) : 0.37
Critical temperature : 160^{o}C
Boiling point : 3^{o}C

Melting Point : -117^{o}C
Critical pressure (bar) : 40.75
Major hazards : Inhalation and Fire
Toxicity : TWA 10ppm STEL 15ppm
Flammability Range : 2.0 - 12% ref N^{o}284
Odour : Fishy

Click here for more information

Application

INDUSTRY	APPLICATION
Chemicals	Trimethylamine is used as a reactive intermediate organic nitrogen in the synthesis of various organics chemicals (agriculture, pharmaceutical, dye, rubber and explosive or propellant compounds).

Click here for more information

Trimethylamine

Gas

Typical impurities (ppm molar)

Cylinder information

Cylinder Size	Valve Connection	Pressure (kPa)	Contents (m^3)

Available Upon Request
Call For Supply Information

Recommended Equipment

For further information *Contact* the specialty gases representative in your region.