SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-ED-01714
Product Name	Methyl vinyl ether
CAS No.	107-25-5
Category	Fine Chemicals
Synonyms	Not available
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email **sales@clearsynth.com** for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

2.2 Label Elements

Signal Word: Warning

Hazard Statement(s)

Code	Statement
H220	Not available
H280	Not available
H336	Not available

Precautionary Statement(s)

Code	Statement
P203	Not available
P210	Not available
P222	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P377	Not available
P381	Not available
P403	Not available
P410+P403	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P319	Get medical help if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Methyl vinyl ether
CAS Number : 107-25-5
Molecular Formula : Not available
Molecular Weight : Not available
Parent Chemical : Not available
Synonyms : Not available
Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available

Property	Value
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: /LABORATORY ANIMALS: Acute Exposure/ Rats tolerate repeated inhalation of 2000 ppm (4.7 mg/L, 15 times 6 hours) without any symptoms and findings. /LABORATORY ANIMALS: Acute Exposure/ According to earlier studies, vinyl methyl ether does not produce inflammatory changes in either the skin or eyes of rabbits.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: IDENTIFICATION AND USE: Vinyl methyl ether is a colorless compressed gas or colorless liquid. Copolymers are used in coatings and lacquers, as a modifier for alkyl, polystyrene and ionomer resins, and as a plasticizer for nitrocellulose and adhesives. HUMAN STUDIES: There are no data available. ANIMAL STUDIES: Vinyl methyl ether does not produce inflammatory changes in either the skin or eyes of rabbits. Rats tolerate repeated inhalation of 2000 ppm. In two 28-day inhalation studies in rats restlessness, reduction in body weight gain and an increase in relative weight of the liver were observed at 25,000 ppm. In the male rats, an increase in prothrombin time and a reduction in total protein occured at higher concentrations. In the 28-day inhalation study, 1500 ppm was the no effect level for male rats and 3500 ppm for female rats. Methyl vinyl ether was not mutagenic on Salmonella typhimurium TA98, TA100, TA1535 and TA1537, and Escherichia` coli WP2 uvrA with or without metabolic activation. In the micronucleus test in mice, vinyl methyl ether did not produce a clastogenic effect following 5 exposures of 25,000 ppm. /GENOTOXICITY/ ... Mutagenicity tests of 14 compounds and 1,3-butadiene on S. typhimurium TA98, TA100, TA1535 and TA1537, and E. coli WP2 uvrA were also examined by the developed gas exposure method. 1,3-Butadiene, propyne (methyl acetylene), monochlorodifluoromethane, ethylchloride, diborane and silane were mutagenic. 1-Butene, 2-butene, 2-methylpropene, methyl vinyl ether, trichlorofluoromethane, dichlorodifluoromethane, 1,2-dichloro-1,1,2,2-tetrafluoroethane, 1,1-difluoroethane and phosphine were not mutagenic on S. typhimurium TA98, TA100, TA1535 and TA1537, and E. coli WP2 uvrA with or without metabolic activation. These results were compatible with a previous report, and this developed method has the advantage that it can be tested easily and safely for combustible and self-combustible substances such as 1,3-butadiene and silane.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.

- STOT-single exposure: No data available.
- STOT-repeated exposure: /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ In two 28-day inhalation studies with concentrations of 0, 500, 3500 and 25,000 ppm and 0,150, 500 and 1500 ppm (0, 1.19, 8.3 and 59.3 mg/L and 0, 0.36, 1.2 and 3.6 mg/L), restlessness, reduction in body weight gain and an increase in relative weight of the liver are observed at 25,000 ppm (59.3 mg/L). In the male rats, an increase in prothrombin time and a reduction in total protein occurs at higher concentrations. ... Following inhalation of 25,000 ppm (59.3 mg/L), atrophy in the region of the olfactory epithelium is observed on histological examination of the nasal mucosae. No other histopathological changes are observed. In the 28-day inhalation study, 1500 ppm (3.6 mg/L) is given as the no effect level for male rats and 3500 ppm (8.3 mg/L) for female rats.
- Aspiration hazard: No data available.

Likely routes of exposure
- IDENTIFICATION AND USE: Vinyl methyl ether is a colorless compressed gas or colorless liquid. Copolymers are used in coatings and lacquers, as a modifier for alkyl, polystyrene and ionomer resins, and as a plasticizer for nitrocellulose and adhesives. HUMAN STUDIES: There are no data available. ANIMAL STUDIES: Vinyl methyl ether does not produce inflammatory changes in either the skin or eyes of rabbits. Rats tolerate repeated inhalation of 2000 ppm. In two 28-day inhalation studies in rats restlessness, reduction in body weight gain and an increase in relative weight of the liver were observed at 25,000 ppm. In the male rats, an increase in prothrombin time and a reduction in total protein occured at higher concentrations. In the 28-day inhalation study, 1500 ppm was the no effect level for male rats and 3500 ppm for female rats. Methyl vinyl ether was not mutagenic on Salmonella typhimurium TA98, TA100, TA1535 and TA1537, and Escherichia` coli WP2 uvrA with or without metabolic activation. In the micronucleus test in mice, vinyl methyl ether did not produce a clastogenic effect following 5 exposures of 25,000 ppm.

Symptoms related to the physical, chemical and toxicological characteristics
- /LABORATORY ANIMALS: Acute Exposure/ Rats tolerate repeated inhalation of 2000 ppm (4.7 mg/L, 15 times 6 hours) without any symptoms and findings.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

DISCLAIMER

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