

VINYL CHLORIDE MONOMER

Last revision 2011

Chemical Name: Molecular formula: C₂H₃Cl
No.CAS: 75-01-4
Abbreviation: VCM

General Description:

Vinyl Chloride Monomer is a colourless gas under normal temperature and pressure conditions. It is used liquefied, under pressure.

The product has a slightly ether odour.

Characteristics	MU	Limits	Test methods
Vinyl chloride, min.	%	99.95	ILL-003/1-02-33
Acetylene compounds amount, max.	ppm	6	ILL-003/1-02-33
Chlorinated compounds amount, max.	ppm	100	ILL-003/1-02-33
1,3- Butadyene, max	ppm	10	ILL-003/1-02-33
Water (Karl-Fischer), max.	ppm	100	ASTM E 203
Acidity (HCl), max.	ppm	1	ASTM D 2989
Iron, max.	ppm	0.5	SR ISO 6685

Specific Properties:

Liquid density, g/cm ³	0.9121
Gas density, g/cm ³	2.15
Boiling temperature, °C	-13.9 at 760 mmHg
Ignition temperature, °C	-78 (closed cup)

The values of those characteristics are approximated, and are only for general information and are not part of the technical quality conditions.

Main Applications:

- as a monomer in manufacturing polyvinyl chloride

Packing and storage:

The product is packed under pressured tanks and is stored in tanks under.



Safety Considerations:

The allowed maximum concentration in working area is of 5 mg/m³ air. The product is extremely flammable. In a range of 4-22%, gas/air mixtures are explosive.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Attention:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.