

1,2 – DICHLOROETHANE

TECHNICAL GRADE

Last revision 2011

Chemical Name: Molecular formula: $C_2H_4Cl_2$
 No.CAS: 107-06-2
 Abbreviation: EDC

General Description:

1,2 -Dichloroethane is a colorless liquid with a similar odor with chloroform's one. It is very flammable, and by burning gives HCl.

1,2 -Dichloroethane is explosive under the action of an open flame. The product gives explosive mixture with air, within 6.2-16% vol limits.

Technical Quality Conditions:

Characteristics	MU	Limits	Test methods
Appearance	-	clear liquid	visual
1,2 Dichloroethane, min.	%	99.2	ASTM D 3447
1,1,2 Trichloroethane, max.	%	0.275	ASTM D 3447
Water (Karl-Fischer), max.	ppm	1000	ASTM E 203
Acidity (HCl) against bromo-thymol blue, max.	ppm	30	ASTM D 2989
Free chlorine, max.	ppm	absent	ASTM D 4755
Iron, max.	ppm	5	SR ISO 6685

Specific Properties:

Density at 200C, g/cm ³	1.253
Boiling temperature, °C	83.4
Ignition temperature, °C	13(closed cup)

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

TECHNICAL SHEET



Main Applications:

- Intermediate in organic compounds manufacturing (particularly for vinyl chloride monomer);
- As solvent for fats, oils, waxes, synthetic and natural resins, not-vulcanized rubber, polyacrylates and metacrylates, polyvinyl chloride and polyvinyl acetate;
- Anti-explosive (removes lead atoms from internal combustion engines).

Packing and storage:

The product is packed in stainless steel tanks or properly protected sheet drums, clean, dry and tightly closed.

The product is stored in clean and dry stainless steel reservoirs, under nitrogen blanket.

Safety Consideration :

1,2 Dichloroethane is a very flammable liquid.

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.