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## Technical Data Sheet

### **N,N-Dimethylacetamide**

#### Product Information

Chemical Name	N,N-Dimethylacetamide
CAS #	127-19-5
Formula	C <sub>4</sub> H <sub>9</sub> NO
Molecular Weight	87.12
Synonyms	PROPYLENE CHLORIDE;Acetyldimeethylamine;CBC 510337;CH <sub>3</sub> CON(CH <sub>3</sub> ) <sub>2</sub> ;dimethylacetamid;dimethylacetoneamide;Dimethylamid kyseliny octove;Dimethylamide acetate
Chemical Structure	



#### Description

DMAC is a colorless ,high boiling,polar,hygroscopic liquid .

DMAC is a good solvent for a wide range of organic and inorganic compounds and it is miscible with water ,ethers,esters,ketones and aromatics compoundrs.

It is used in the production of polyacrylontrile and polyurethane based fibers,files and coatings.

#### Physical Properties

Boiling point , ° C	166
Density @ 25° C, g/cm <sup>3</sup>	0.9366
refractive index	1.4380

## Specification

Index name	Specification
Appearance	Colorless clear liquid
Assay, %	99.90
Color ( Hazen) (Pt-Co)	10
Moisture, mg/kg	200
Iron, mg/kg	0.050
Acidity (as acetic acid) mg/kg	50.0
Bacidity(as DMA) mg/kg	3.0
Conductivity (25 C) us/cm	0.10

## Safety

DMAC causes respiratory tract irritation.

May cause harm to the unborn child.

Causes eye and skin irritation. May be harmful if swallowed, inhaled, or absorbed through the skin

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

Solvent and/or Reagent

1)In - Wet spinning process of acrylic fibres

- Wet or dry spinning process for Elasthane-Fibres

2)In the - Pharma production for various pharmaceuticals, for dialyser membranes,

3)As - novel x-ray contrast media

4)For - polyimide resins in coating and film production

## Packaging

190kg per plastic or iron drum.

15.2mt per 20ft container

## Storage & Handling

Storage away from source of ignition and oxidizers. Take precautions against static discharge.

Vapours can form explosive mixtures with air.

Wear personal protection equipment and execute works only under adequate ventilation.

Do not inhale substance or vapours.

Avoid contact during pregnancy/while nursing.

Keep containers tightly closed and at a temperature between 15 °C and 25 °C.

Keep away from food, drink and animal feeding stuffs.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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