



**MOTHER DATA SHEET
PREMIUM ACETONE**

IDENTIFICATION

General formula: CH₃-CO-CH₃

Relative molecular mass: 58.08.

Colorless, very volatile liquid with a penetrating odor.

Density at 20°C (kg/dm³): 0.789 – 0.792.

INVENTORY ENTRIES

CAS No. : 67-64-1

EINECS No. : 200-662-2.

Acetone is listed in the following existing inventories:

AUSTRIA - E.E.C. - U.S.A. - JAPAN - AUSTRALIA - CANADA - KOREA

GENERAL PROPERTIES:

| | | |
|---------------------------------------|-------|--------------------|
| Flash point (closed cupel) | | - 18.0°C |
| Crystallization point | | - 94.6°C |
| Boiling point | | 56.2°C at 1013 hPa |
| Vapor pressure at 20°C | | 24.6 kPa |
| Vapor pressure at 50°C | | 81.3 kPa |
| Specific heat capacity at 20°C | | 2.21 kJ/(kg.K) |
| Latent heat of vaporization | | 524.5 J/kg |
| Vapor density (air = 1) | | 2.00 |
| Viscosity at 20°C | | 0.33 mPa.s |
| | 20 | |
| Refractive index (n _D --) | | 1.3591 |
| | D | |
| Miscible in any proportion with water | | |



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SPECIFICATIONS

| METHODS (*) | DETERMINATIONS | UNIT | VALUES | ANALYSIS METHODS NOVAPEX ROUSSILLON | EQUIVALENT STANDARDS |
|--------------------|--|-------------|---------------|--|------------------------------|
| 1 | Appearance: Clear liquid, free of foreign particles | | | 421 ME 036 | - |
| 2 | Coloration | HAZEN | 5 max. | 421 ME 046 | ISO 2211-73 |
| 3 | TITER (dry state) | % (mass) | 99.9 mini | 166 ME 002 | - |
| 4 | Water | % (mass) | < 0.25 max. | 421 ME 136 | ISO 760-78 |
| 5 | Acidity (expressed Acetic Acid) | % (mass) | 0.002 max. | 421 ME 039 | ISO 2887-73 |
| 6 | Dry extract | % (mass) | 0.001 max. | 421 ME 040 | ISO 759-81 ASTM D 1353-64 |
| 7 | Permanganate test | mn | 120 mini | 421 ME 038 | ISO 1387-70 |
| 8 | Benzene | % (mass) | 0.0002 max. | 166 ME 002 | |
| 9 | Mesityl oxide | % (mass) | 0.0002 max. | 166 ME 002 | |

(*) Method principle:

| | | | |
|----|-----------------------------|----|---|
| 1- | Visual | 6- | Weighed after evaporation at 110°C |
| 2- | Spectrometry | 7- | Search for reductive substances by decoloration |
| 3- | GC | 8- | GC |
| 4 | Karl Fischer | 9- | GC |
| 5- | Acidimetry/Phenolphthaleine | | |

PACKAGING

Bulk by 23 t to 25 t **SINGLE TANK** tanker truck and by 25 t and 60 t tanker wagon.

SAFETY - STORAGE - HANDLING - LABELING - TRANSPORT - REGULATIONS

Refer to the material safety data sheet.

(This document is available at the NOVAPEX Secretarial Office)