

Acetyl Chloride

Features of Acetyl Chloride

- Product Name: Acetyl chloride
- Chemical Formula: C_2H_3ClO
- CAS No.: 75-36-5
- Dangerous Grade: 3.2

Technical Data of Acetyl Chloride

ITEMS	SPECIFICATION
Appearance	Colourless transparent liquid
Assay	$\geq 99.0\%$
Phosphorus content	$\leq 0.02\%$

Package and Storage:

- 200kg/drum
- Store in a cool, dry place. Keep container closed when not in use

Application /Application Industries:

- Acetylation reagent
- Pharmaceuticals

- Dye

Acetyl chloride is a colorless flammable liquid with a pungent odor. It is violently decomposed by water or ethanol. Dissolved in chloroform, ether, benzene, petroleum ether or glacial acetic acid. Acetyl chloride is an irritant and corrosive agent. Contact with the skin can cause burns, and steam can strongly irritate the eyes and mucous membranes. When people inhale 2 ppm, they can feel the stimulating effect. Short-term exposure to higher concentrations of acetyl chloride may cause death or permanent damage. The amount of aquatic live poisoning is estimated to be in the range of 10 to 100 ppm.

Acetyl chloride is used for organic compounds, dyes and pharmaceuticals. Industrial acetyl chloride can be obtained by reacting ketene with hydrogen chloride or by reacting sodium acetate, sulfur dioxide and chlorine. The laboratory can be prepared by reacting acetic acid, sodium acetate or acetic anhydride with various chlorinating agents. Acetyl chloride is an important acetylating agent with a stronger acylation capacity than acetic anhydride and is widely used in organic synthesis. Acetyl chloride is also a catalyst for the chlorination of carboxylic acids and can also be used for the quantitative analysis of hydroxyl or amino groups.

Acetyl chloride is an important organic synthesis intermediate and acetylation reagent. It has stronger acylation ability than acetic anhydride and is widely used in organic synthesis. It can be used in the production of pesticides, medicines, new electroplating complexes, and other fine organic synthesis. The intermediate can be used in medicine for the preparation of 2,4-dichloro-5-fluoroacetophenone

(intermediate of ciprofloxacin), ibuprofen. Acetyl chloride is also a catalyst for the chlorination of carboxylic acids.

Nanjing Chemical Material Corporation. (NCCM), is a professional chemical distributor company which is set up through the restructuring of state-owned Nanjing Chemical Raw Material Head Company. It was founded in 1995 at first and restructured in 2007. The company is headquartered in Nanjing, with 2 offices in Guangzhou and Tianjin. NCCM has established close cooperative relations with BASF, EASTMAN, AkzoNobel, Chevron Phillips, Cabot, Lonza, SABIC, Honeywell, Evonic, Oleon, Showa Denko, Idemitsu, UBE, etc. Based on its own R&D center and production base, NCCM is also engaged in research, manufacturing, storage and logistics, for an integrated service and customized solutions to our suppliers and customers.

NCCM Acetyl Chloride manufacturer support various industries with superior quality products, including lubricants and metal-processing, personal care, C.A.S.E, pharmaceutical and pesticide, oil and water treatment, flavors and fragrances, organic & inorganic chemicals, ect.

The mission in NCCM is to be a bridge connecting dreams between China market and our partner in other countries, on the principle of equality, mutual benefit and win-win cooperation.