

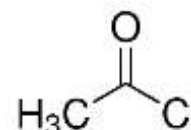


# Product Specification

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## ACETYL CHLORIDE FOR SYNTHESIS

PRODUCT CODE	027037
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	75-36-5
ATOMIC OR MOLECULAR FORMULA	CH <sub>3</sub> COCl
ATOMIC OR MOLECULAR WEIGHT	78.50
PROPERTIES	Protect from water.



PARAMETER	LIMIT
Description	A clear liquid, not more than 20 Hazen units in colour.
Solubility	Miscible with Acetone & Acetic Acid, Ether & violent reaction with water and Alcohol.
Assay (ex Cl)	98.0 - 102.0%
Wt. per ml at 20°C	About 1.10 g
Boiling range	48 - 55°C

### MAXIMUM LIMIT OF IMPURITIES

Non volatile matter	0.05%
Phosphorous compounds (P)	0.005%
Sulphate(SO <sub>4</sub> )	0.01%

Note(s) : Assay (if applicable) method mentioned.

#### DANGER :

**HAZARD STATEMENTS :** Highly flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage.

#### PRECAUTIONARY STATEMENTS :

**Prevention :** Wash thoroughly after handling. Do not breathe dust or mist. Use only non-sparking tools. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection. **Response :** Specific treatment: refer to Label or MSDS. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire, use foam for extinction. In case of fire, use dry agent for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage.

IMDG Code : 8(3)/II  
UN No. : 1717  
IATA : 8(3)

**Disposal :** Acid halides should be neutralized by adding dropwise to an excess of methanol to convert them into corresponding methyl esters. Few drops of hydrochloric acid can be added to accelerate the reaction. Neutralize with 5% sodium hydroxide solution till pH is alkaline and run to waste with large volumes of running water. If original quantity is small. In case of comparatively large quantity, final solution may be stored in a container and disposed off.

#### Hazard pictogram(s) :



GHS02



GHS05

Replace Date 27-July-2018