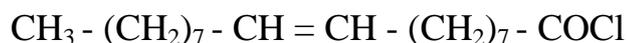


## DATA SHEET Nr 1900 F

# CRUDE OLEOYL CHLORIDE OILCL



Molecular formula:  $\text{C}_{18}\text{H}_{33}\text{ClO}$

Molecular weight (average): according to the raw material

CAS number: 112-77-6

EC number: 204-005-0

### SYNONYM

9-Octadecenoyl chloride

### APPEARANCE

Brown liquid at room temperature.

### PHYSICAL PROPERTIES

Density (20°C): 0.9 g/cm<sup>3</sup>

Boiling range: 175 – 180 °C / 1kPa

Solubility:

Soluble in usual organic solvents (acetone, toluene, dichloromethane, chlorobenzene, THF).

### CHEMICAL PROPERTIES

- Reacts by hydrolysis yielding hydrochloric acid and oleic acid.
- Reacts with alcohols yielding esters.
- Reacts with mercaptane yielding thioesters.
- Reacts with amines yielding amides.

### USES

- Intermediate for organic synthesis.

## CRUDE OLEOYL CHLORIDE OILCL

### SPECIFICATION

Parameter	Guaranteed value	Method	Operating procedure
Appearance	Clear liquid	Visual	
Color	>15 Gardner	Colorimetry	C – 310
Assay	≥ 98.0 %	Argentometry	P – 608
Phosgene	≤ 0.1 %	Iodometry	I – 230

### PACKAGING

Polyethylene lined metal drum containing 160 kg.  
In bulk.

### HANDLING PRECAUTION

- Physicochemical hazard:  
flashpoint (closed cup): >110 °C
- Health hazard:  
LD 50 (oral, rat): > 2000 mg/kg.  
Irritating to eyes and mucous membrane.  
Corrosive.
- Recommendation:  
Avoid contact with caustic.  
Wear gloves, goggles, mask and proper protective clothes.  
In case of eye contamination wash with water at least 15 minutes then call for a physician.  
In case of its vapor inhalation take the injured person to fresh air and call for a physician.
- Neutralization:  
With alkaline solutions.

### STORAGE

The product is stable in its original, closed packaging stored in a dry, cool and well-ventillated area.

In case of prolonged storage it's recommended to check the typical parameters (assay, hydrogen chloride) before use.

### TRANSPORTATION

Refer to MSDS.

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August 2018



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