

## ALUMINUM TRICHLORIDE

# AlCl<sub>3</sub>

 Product description

**Name:** ALUMINUM TRICHLORIDE  
**CAS-Number:** 7446-70-0

**Application:** HVPE and CVD

**Element:** Al

# ALUMINUM TRICHLORIDE

# AlCl<sub>3</sub>

## Physical Properties

Vapor pressure equat.:	1.33 mbar (99 °C) / 133 mbar (151 °C)
Density:	2.48 g/cm <sup>3</sup>
Molweight:	133.3 g/mol
Melting point:	180 °C / 356 °F (sublimes)
Boiling point:	n.a.
Sublimation point:	

## Chemical Properties

Stability:	Stable under inert gas
State of matter:	Solid

## Safety & Transport

Toxicity:	Corrosive
Thermal decomposition:	
ADR/RID-class:	8
UN-no:	1726, PG II
IMDG-class:	8
UN-no:	1726, PG II
ICAO/IATA-class:	8
UN-no:	1726, PG II – AIRFREIGHT ALLOWED

For further details please refer to Safety Data Sheet (SDS)

## Packaging & Standard Filling Volumes

AlCl <sub>3</sub> .100.DOCK/10.150	100g / 150ccm cyl.
AlCl <sub>3</sub> .200.DOCK/10.400	200g / 400ccm cyl.
AlCl <sub>3</sub> .500.DOCK/10.400	500g / 400ccm cyl.
AlCl <sub>3</sub> .1500.DOCK/10.1000	1500g / 1000ccm cyl
AlCl <sub>3</sub> .4000.DOCK/10.3000	4000g / 3000ccm cyl.

## Quality Standards

EG Electronic Grade

## Vapor Pressure Curve

## Application

HVPE and CVD



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