

# PCl<sub>3</sub>

## PHOSPHOROUSTRICHLORIDE

### Physical Properties

Vapor pressure equat.:	133.32 mbar at 20 °C / 166.65 mbar at 25 °C / 513.29 mbar at 55 °C
Density:	1.57 g/cm <sup>3</sup>
Molweight:	137.33 g/mol
Melting point:	-112 °C / -170 °F
Boiling point:	75.5 °C / 168 °F
Sublimation point:	

### Chemical Properties

Stability:	Stable under recommended storage conditions
State of matter:	Liquid

### Safety & Transport

Toxicity:	Toxic by Inhalation
Thermal decomposition:	
ADR/RID-class:	6.1
UN-no:	1809
IMDG-class:	6,1
UN-no:	1809
ICAO/IATA-class:	6,1
UN-no:	1809 – AIR FREIGHT FORBIDDEN

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

### Packaging & Standard Filling Volumes

PCI3.100.DOCK/10.150	100g / 150ccm cyl.
PCI3.540.DOCK/10.400	540g / 400ccm cyl.
PCI3.840.DOCK/10.600	840g / 600ccm cyl.
PCI3.1400.DOCK/10.1000	PCI3.1400.DOCK/10.1000

### Product Description

Name:	PHOSPHOROUSTRICHLORIDE
CAS-Number:	7719-12-2
Element:	P
Molecular Formula:	PCl <sub>3</sub>

### Quality Standards

EG Electronic Grade

### Application

Precursor for ALD and CVD

### Vapor Pressure

