

Marking**CAS****Characterization acc. ADR****Cylinder Marking**

7440-63-3
UN 2036 XENON,
COMPRESSED, 2.2,(C/E)



Shoulder color: bright green

Essential properties

liquified gas, heavier than air, colorless, odorless

Symbols of risks

For additional safety information see safety data sheet *-XE-127

Description

Colourless, at normal conditions inert rare gas, narcotic. Chemical compounds with fluorine and oxygen are known.

Materials

Cylinders and valves: all usual materials.

Seals: PTFE, PCTFE, PVDF, PA, PP, IIR, NBR, CR, FKM, Q, EPDM

Physical Properties			
molecular weight	131,30 kg/kmol	vapour pressure at 20°C	
critical point		gas density at 0°C and 1,013 bar	5,8982 kg/m ³
temperature	289,740 K	density ratio to air	4,5619
Pressure	58,400 bar	gas density at 15°C and 1 bar	5,514 kg/m ³
density	1,110 kg/l	conversion factor	
triple point		liquid at Ts to m ³ gas (15°C, 1 bar)	
temperature	161,396 K	virial coefficient	
Pressure	0,81668 bar	Bn at 0°C	-6,8*10 ⁻³ bar ⁻¹
boiling point		B30 at 30°C	-5,8*10 ⁻³ bar ⁻¹
temperature	165,066 K; -108 °C	gaseous state at 25°C and 1 bar	
liquid density	2,94 kg/l	specific heat capacity cp	0,1583 kJ/kg K
evaporation heat	95,422 kJ/kg	thermal conductivity	55,5*10 ⁻⁴ W/m K
		dynam. viscosity	23,0*10 ⁻⁶ Ns/m ²