



# Hydrogen Selenide (H<sub>2</sub>Se)

H<sub>2</sub>Se is a toxic and flammable gas. It can be used for epitaxy, ion implantation and doping of solar cell, semiconductor and Integrated Circuit (IC) production, the production of infrared materials (e.g. ZnSe) as raw materials.

## General Information

Product Name	Hydrogen Selenide (H <sub>2</sub> Se)	CAS Number	7783-07-5
Grade	99.998%	Formula Weight	80.98

## Grade-99.998 vol.% min

Gas Phase Impurity	H <sub>2</sub> S	H <sub>2</sub> O	N <sub>2</sub>	O <sub>2</sub>	CO <sub>2</sub>	THC (as Methane)
Maximum Concentration	<10 ppmv	<10 ppmv	<5 ppmv	<1 ppmv	<1 ppmv	<1 ppmv

## Standard Package

Cylinder Size	47 L Steel Cylinder	Valve Connection	CGA 350 Steel
Fill Weight (lbs)	99.2	Cylinder Dimensions (in)	9.3*54.1
Fill Weight (kgs)	45	Cylinder Dimensions (cm)	23.5*137.5

## Technical Information

Major Hazards	Toxic and flammable	Odor	Decayed horseradish odor
Flammable Limits	-	Boiling Point @ 1atm	-41.1°C
Exposure Limit	TLV-twa=0.05 ppm	Specific Volume @ 21°C	0.298 l/g

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