

SENSIT[®] HCN
monitors and warns
of dangerous levels
of Hydrogen Cyanide



SENSIT
Technologies

Innovative Detection Solutions

www.gasleaksensors.com

HYDROGEN CYANIDE (HCN): STANDARDS AND EFFECTS

HCN Effects on Humans:

Hydrogen Cyanide can cause rapid death due to metabolic asphyxiation.

Death can occur within seconds or minutes of the inhalation of high concentrations.

3,404ppm	Death after 1 minute exposure
270ppm	Death after 6-8 minutes exposure
181ppm	Death after 10 minutes exposure
135ppm	Death after 30 minutes exposure
10ppm	OSHA permissible exposure limit (PEL)
4.7ppm	NIOSH recommended exposure limit (REL)

ppm = parts per million Recent study estimations (Hathaway et al. 1991)

5.6% HCN lower flammable limits in air (percent by volume)
40.0% upper flammable limits in air (percent by volume)



Chart courtesy of **SENSIT TECHNOLOGIES** • Valparaiso, IN 46383
(219) 465-2700 • www.gasleaksensors.com