



## บริษัท พลวัต อินเตอร์เคมี จำกัด

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# HYDROFLUORIC ACID COMMERCIAL

## SPECIFICATION

### PROPERTIES

Physical form	Fuming liquid.
Colour	Almost Colourless Solution.
Concentration	70/75% w/w

### TYPICAL ANALYSIS

Total acidity as HF	72%
Hydrofluoric Acid as HF	70%
Fluorosilicic Acid as $H_2SiF_6$	2%
Sulphate as $H_2SO_4$	3%
Heavy Metals as Pb	10 p.p.m.
Iron as Fe	500 p.p.m.
Chlorine as Cl	1 p.p.m.
Specific Gravity	1.26 approx.
Boiling Point	60°C approx.
Freezing Point	-70°C approx.
Approx. Vapour Pressure 70%	118 mm (HF) Hg at 20°C.
	119 mm Hg total vapour pressure at 20°C.

### APPLICATIONS

1. In descaling stainless and high silicon steels.
2. In purifying glass-making silica sand and feldspar.
3. Glass frosting, etching and polishing.
4. Manufacture of inorganic fluorides.
5. Reclaiming grain from vitrified abrasives.
6. Removing silica from metal castings.
7. As a constituent of solutions for a range of metal finishing processes.