



## PRODUCT IDENTIFICATION

Description
Fluorophosphonic Acid C8 is a fluoroalkyl chemical with phosphonic acid function.

Reference	Designation	CAS Number
SP-01-002	Fluorophosphonic Acid C8	80220-63-9

Formula
$C_8F_{17}-C_2H_4-PO(OH)_2$

## THEORETICAL PHYSICAL / CHEMICAL PROPERTIES

<b>Physical Aspect</b>	White Powder
<b>Molecular Weight (g/mol)</b>	528,10

<b>Boiling Point (°C)</b>	301 (± 52)
<b>Melting Point (°C)</b>	165 - 170
<b>Solubility in</b>	Ethanol, Methanol
<b>pKa</b>	First acidity 2,08 Second acidity 7,64



## NMR SPECTRA



