

LCI LTD

(904) 241 1200
P.O. Box 49000
Jacksonville Beach, FL 32240-9000

FOR REFERENCE ONLY – DO NOT SEND OUT

October, 1990

HYDROFLUOSILICIC ACID SPECIFICATIONS

H₂SiF₆

COMMERCIAL GRADE

	<u>GUARANTEED</u>	<u>TYPICAL</u>
H ₂ SiF ₆ (MOL. WT. 144.06)	25% +/- 3% by weight	24%
Fluorine	19% +/- 3% by weight	18.5%
Heavy Metals, as lead, Pb.	0.020% MX.	0.0002%
Phosphorus		0.100%
HF		1.0%
Arsenic		0.0035%
Barium		< 0.0002%
Cadmium		0.0004%
Chromium		< 0.00003%
Iron		0.100%
Iodine		0.0015%
Lead		< 0.00005%
Mercury		< 0.0000001%
Selenium		< 0.000003%
Silver		0.0004%
Specific Gravity, at 25%, at 60°F		1.224
Boiling Point for 25%		222.5°F
Freezing Point for 25%		-4.0°F
Weight per Gallon for 25%		10.2 lbs/gal
pH 1% Solution		1.2

Material meets AWWA Standard B703 – 89

Water white to straw yellow in color – transparent aqueous
Solution – acid liquid.

Clean and free of visible suspended matter.

Highly corrosive, pungent odor – store in structural carbon,
Hastelloy C, Durimer 20 and approved rubber or plastic lined containers.

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Telex 752638 LCI LTD JAX
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