



RESOURCE

MATERIAL SPECIFICATION

Product name: Ammonium Bifluoride Flake
Product code: 0560
MW: 57.04
Cas No: 1341-49-7
Formula: NH₄F.HF

Physical properties	Unit		
Appearance		White Flakes	
Density @ 20°C	g/cm ³	1.5	
Melting point	°C	124-125	
Solubility in water @ 20°C	g/l	630	
Bulk Density @ 20°C	g/l	600 - 700 g/l	
pH-value saturated soln		Approx 4	
Parameter	Unit	Specification	
		Min	Max
Assay (NH ₄ F.HF)	% wt	95	
NH ₄ F	% wt		5
H ₂ O	% wt		0.1
Fe	% wt		0.001
Sulphate	% wt		0.01
As	% wt		0.001
Chloride	% wt		0.003
Parameter	Unit	Typical Analysis	
		Min	Max
F	%	65	
SiO ₂	%		0.01
Pb	%		0.0005
Ni	%		0.0005
Cu	%		0.0003
Sb	%		0.0005

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

Revision No.: 5
 Specification Date: 22.01.13
 RCL Review Date: 23.10.14

Packaging

- PE bag, 20 KG net weight

Applications

- Glass Processing - for matt etching
- Metal Surface Treatment - as essential component of bright digo baths and for etching and cleaning of non-ferrous metal pieces
- Mineral oil/natural gas drilling - as aid for drilling through silicate rocks
- Cleaning of industrial plants - as component in cleaning and disinfecting solutions, e.g. in breweries, sugar factories, power stations
- Building protection - as component in cleaning agents

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