



Progress beyond

AMBI®

NH₄HF₂ Ammonium hydrogenfluoride

INORGANICS



Applications

- Glass processing: for matt etching
- Metal surface treatment: as essential component of bright dip baths 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 power stations
- Building protection: as component in cleaning agents

Packaging

20kg PE bags on a 1000 kg pallet.

Storage

Keep product in a dry and ventilated, cool area, away from heat sources; in original packaging, closed.

Physical Properties

Values From Literature

	Typical Value	Units
Molecular weight	57.04	
Appearance	white flakes	
Density @ 20°C	1.5	g/cm ³
Bulk density	approx. 600 – 700	g/l
Melting point	124 – 125	°C
Solubility in water @ 20°C	630	g/l
pH-value saturated solution	approx. 4	

Classifications

- CAS No.: 1341-49-7
- HS No.: 2826 1910
- Classified as hazardous according to the European regulation (EC) 1272/2008

GHS Labeling

- Signal Word: Danger
- Hazard Symbols: GHS05, GHS06
- Hazard Statements: H301, H314
- Precautionary Statements: P260, P280, P305+P351+P338, P301+P330+P331, P303+P361+P353, P309+P311
- Please see the Safety Data Sheet for safety precautions and additional information

MANAGEMENTSYSTEM



DQS – certified according

ISO 50001
ISO 9001
IATF 16949
ISO 14001
ISO 45001

Typical Analysis

Composition		Typical Value	Units
NH ₄ HF ₂		95 – 97	%
NH ₄ F		3 – 5	%
F	>	65	%
Fe	max.	0.001	%
SO ₄	max.	0.01	%
SiO ₂	max.	0.01	%
Cl	max.	0.003	%
As	max.	0.001	%
Pb	max.	0.0005	%
Ni	max.	0.0005	%
Cu	max.	0.0003	%
Sb	max.	0.0005	%
H ₂ O	max.	0.1	%



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Solvay Fluor GmbH

Postfach 220
30002 Hannover, Germany
Phone: +49 511 857-0

www.solvay.com

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