

FC-108 (CAS 7664-39-3) hydrogen fluoride

HF

BASIC**INFORMATION**

cas: 7664-39-3

Name: hydrogen fluoride

Fluorwaterstof;hydrogen fluorid;antisa2b;hydrogen

Fluoride;hydrofluoric;Fluorowodor;Rubigine;Hydrofluoride;Fluoric acid;fluorhydric acid;HYDROFLUORIC ACID;

Molecular formula: FH

Molecular weight: 20.00630

PSA: 0.00000

LOGP: 0.53270

PHYSICAL**INDEX**

Appearance and properties: colorless gas with a pungent smell

Density: 1.15 g/mL at 25 ° C(lit.)

Boiling point: 105 ° C

Melting point: -35 ° C

Flash point: 112 ° C

Water solubility: soluble

Stability: Stable. Hygroscopic. Incompatible with glass, alkali metals, light metals, alkaline earth metals

Storage conditions: The warehouse is ventilated, low temperature and dry, and stored separately from H porogen, alkalis, cyanide, and metal powder

Steam density: 1.27 (vs air)

Vapor pressure: 25 mm Hg (20 ° C)

SECURITY**INFORMATION**

RTECS number: MW7875000

Safety instructions: S26-S36/37/39-S45-S7/9-S36/37-S28-S36

Hazard category code: R26/27/28; R35

WGK Germany: 2

Dangerous goods transport code: UN 1790 8/PG 2

Customs code: 2811110000

Hazard category: 8

Packing level: II

Dangerous goods mark: C

Hazard prevention statement: P260; P280; P301 + P310 + P330;
P303 + P361 + P353; P304 + P340 + P310; P305 + P351 + P338;
P403 + P233

Signal word: Danger

Danger signs: GHS05, GHS06

Hazard description: H300 + H310 + H330; H314
