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|--|---|---|--------------------------|------------------------|--|------------|-------|
| FLUOBORIC ACID | | Formula | | HBF ₄ | | | |
| | | Mol.Wt. | | 87.81 | | | |
| | | U.N.No. | | 1775 | | | |
| | | CAS No. | | 16872-11-0 | | | |
| Synonym | | Hydrogen tetrafluoroborate ,tetrafluoroboric acid,Fluoroboric acid | | | | | |
| PRODUCT SPECIFICATIONS | | | | | | | |
| Purity as HBF ₄ | 40-42 % | Min | | | | | |
| Boric acid as H ₃ BO ₃ | 3.0 % | Max | | | | | |
| Fluosilicic Acid | 0.3 % | Max | | | | | |
| Sulphuric Acid | 0.1 % | Max | | | | | |
| PHYSICAL PROPERTIES | | | | | | | |
| Apperance | | Colorless to pale yellow liquid | | | | | |
| Vapour Density (air=1) | 3 | B.P. | 130 °C | Density | 1.41 g/cm ³ g/cm ³ | | |
| Solubility | Miscible in water | M.P | -90 °C | Vap.Press. | 5 mm Hg | | |
| HAZARD DATA | | N | NFPA Ratings | Health | Flammable | Reactivity | Other |
| Pl. refer MSDS for details | | | | 0 | 3 | 0 | |
| Hazard Class | 8 | Flammability | Non Flammable | | | | |
| Flash Point | N.A. | TWA | 2.5 mg(F)/m ³ | LD50 | | | |
| Auto Ignition | N.A. | Label required | Harmful if swallowed | | | | |
| HANDLING/STORAGE | Store in a cool , dry,well ventillated area .Keep containers tightly closed.Avoid contact with eyes,skin and clothing. Avoid ingestion and inhalation.Use appropriate PPE . | | | | | | |
| PACKAGING | Group | II | Normal | 35 kg net in HDPE Drum | | | |
| | | | Bulk | | | | |
| APPLICATION | As catalyst for preparing acetals,esterifying cellulose,to clean metal surfaces before welding,to brighten aluminum ,Reagent | | | | | | |