CLAIMS

1. A hydrogen fluoride supply unit which comprises a plurality of transportable hydrogen fluoride storage containers (1) connected to a hydrogen fluoride supply line (2), which is connected to an HF evaporator (8) and which further comprises at least one hydrogen fluoride emergency container which is an at least partially empty hydrogen fluoride storage container connected to the hydrogen fluoride supply line, wherein at least one of the hydrogen fluoride storage containers has a capacity of equal to or greater than 500 l.

2. The hydrogen fluoride supply unit according to claim 1, which comprises from 2 to 20, preferably from 3 to 10, more preferably from 4 to 6 storage containers.

3. The hydrogen fluoride supply unit according to claim 1 or 2, wherein each storage container is connected to the hydrogen fluoride supply line through a manifold (3).

4. The hydrogen fluoride supply unit according to anyone of claims 1 to 3, wherein each storage container is individually isolatable from the hydrogen fluoride supply line.

5. The hydrogen fluoride supply unit according to claim 4, wherein the storage containers (1) can be isolated from the hydrogen fluoride supply line (2) by a remotely controlled device (4), preferably a remotely controlled valve.

6. The hydrogen fluoride supply unit according to anyone of claims 1 to 5, wherein the hydrogen fluoride storage containers (1) are contained in an enclosed space (5) having at least a closeable gate (6) allowing for entering into or removing from the enclosed space a hydrogen fluoride storage container.

7. The hydrogen fluoride supply unit according to anyone of claims 1 to 6 wherein each hydrogen fluoride storage container has a capacity of from 500 to 5000 l, often from 500 to 4000 l preferably from 1000 to 3000 l.

~~8. The hydrogen fluoride supply unit according to anyone of claims 1 to 7 further comprising, preferably permanently, at least one hydrogen fluoride emergency container which is preferably an at least partially empty hydrogen fluoride storage container connected to the hydrogen fluoride supply line.~~

~~9.~~8. A chemical plant comprising the hydrogen fluoride supply unit according to any one of claims 1 to ~~8~~7.

~~10.~~9. The chemical plant according to claim ~~9~~8, for the manufacture of fluorine, wherein the hydrogen fluoride supply line (2) is connected to an electrolysis cell (7) for producing fluorine by HF electrolysis of a molten salt electrolyte.

~~11.~~10. The chemical plant according to claim ~~8~~9 or ~~9~~10, wherein the aggregate capacity of the hydrogen fluoride storage containers corresponds to 15 to 60 days, preferably from 15 to 30 days of HF requirement of the chemical plant to produce the chemical at full capacity.

~~12.~~11. A process for the manufacture of a chemical comprising use of the chemical plant according to any one of claims ~~9~~8 to 1~~0~~.

~~13.~~12. A method for supply of hydrogen fluoride to a chemical plant, which comprises (a) filling at least one transportable hydrogen fluoride storage container with hydrogen fluoride, (b) transporting the hydrogen fluoride storage container to the hydrogen fluoride supply unit (c) connecting the hydrogen fluoride storage container to the hydrogen fluoride supply line and (d) supplying hydrogen fluoride from the hydrogen fluoride storage container to the hydrogen fluoride supply line.

~~14.~~13. The method according to claim 1~~3~~2, wherein more than one hydrogen fluoride storage containers are transported in a second container, preferably an ISO container and the number of hydrogen fluoride storage containers in said second container is lower than the number of hydrogen fluoride storage containers in the hydrogen fluoride supply unit.

~~15.~~14. The method according to claim 1~~2~~3 or 1~~3~~4, wherein said connecting is carried out with a periodicity of more than 12 days, preferably more than 15 days.

15. The method according to any one of claims 12 to 14, wherein said hydrogen fluoride supply unit is defined according to any one of claims 1 to 7.