



Ammonium Bifluoride

Wintersun Code: 01-028
CAS Number: 1341-49-7
Molecular Formula: NH_4HF_2
Molecular Weight: 57.04 g/mol

Sales Specification

Content(NH_4HF_2): 98.0% Min
(NH_4)₂SiF₆: 2.0% Max
Loss on drying: 1.0% Max
Residue on ignition: 0.2% Max
Sulfate (based on SO_4): 0.1% Max

Packing

In 50 LB bag, 44 bags per pallet

Transportation

Shipping Name: Ammonium Bifluoride, Solid
UN Number: 1727
Hazard Class: 8
Packing Group: II



Ammonium Fluoborate

Wintersun Code: 01-070
CAS Number: 13826-83-0
Molecular Formula: NH_4BF_4
Molecular Weight: 104.84 g/mol

Sales Specifications

Appearance: Crystals
Color: White
Content Active Agent (%W/W): 97.5%
By-Product, Pb: 0.01%
By-Product, SO_4 : 0.10%
By-Product, Fe (%W/W): 0.05

Packing

In 300 LB / 296.60 LB drum / 4 drum per pallet



Ammonium Fluoride

Wintersun Code: 01-016
CAS Number: 12125-01-8
Molecular Formula: NH_4F

Specifications

Appearance: White Needle Crystal
Purity: 96.0% Min
(NH_4)₂SiF₆: 0.6% Max
 SO_4 : 0.1% Max
Ignition Residue: 0.2% Max
Chloride: 0.05% Max
Silicate: 0.2% Max
Iron: 0.02% Max
Heavy Metal (as Pb): 0.02% Max

Packing

55.12 LB bag, 40 bags per pallet

Transportation

Shipping Name: Ammonium Fluoride
UN Number: 2505
Hazard Class: 6.1
Packing Group: III



Sodium Bifluoride

Wintersun code: 19-009
CAS Number: 1333-83-1
Molecular Formula: HF_2Na
Molecular Weight: 61.99 g/mol

Specification

Appearance: White crystal
 NaHF_2 %: 98.0 Min
HF %: 0.2 Min
 SiO_2 %: 0.5 Max
 SO_4 %: 0.1 Max
Cl %: 0.1 Max
 H_2O %: 0.5 Max
Insoluble in water %: 0.5 Max.

Packing

In 55.12 LB bag, 40 bags per pallet

Transportation

Shipping Name: Sodium Hydrogendifluoride
UN Number: 2439
Hazard Class: 8
Packing Group: II



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Nickel Fluoride Tetrahydrate

Wintersun Code: 14-032
CAS Number: 13940-83-5
Molecular Formula: $\text{NiF}_2 \cdot 4\text{H}_2\text{O}$
Molecular Weight: 168.75 g/mol

Sales Specification

Appearance: Green crystals
 $\text{NiF}_2 \cdot 4\text{H}_2\text{O}$: 94.49 %
Fluorine as F : 21.40%
Nickel as Ni : 32.92 %
Free Moisture : 05.09 %
Iron : 00.012%
Chloride : 00.0132%
Sulphate : 00.019%
Cu : -
Zn : -



Packing

In 55.12 LB paper bag, 40 bags per pallet

Transportation

Shipping Name: Toxic solid, inorganic, n.o.s.
UN No.: 3288
Hazard Class: 6.1
Packing Group: III

Nickel Sulfate Hexahydrate

Wintersun Code: 14-010
CAS Number: 10101-97-0
Molecular Formula: $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 262.85 g/mol

Sales Specification

Appearance: Green crystals
Nickel: 22.3%
Iron: <0.0001%
Copper: <0.0001%
Zinc: <0.0001%
Magnesium: <0.0001%
Calcium: <0.0001%
Chromium: <0.0001%
Lead: <0.0001%



Packing

In 55.12 LB bag / 40 bags per pallet

Transportation

Shipping name: Environmentally hazardous substances, solid, n.o.s. (Nickel sulphate hexahydrate)
UN No: 3077
Hazard Class: 9
Packing Group: III

Nickel Chloride Hexahydrate

WC Code: 14-009-01
CAS: 7791-20-0
Molecular Formula: $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 237.70 g/mol

Sales Specification

Appearance: Green Crystals
Assay: 98%
Ni: ≥ 24
Co: <0.005
Cu: <0.002
Fe: <0.002
Zn: <0.002
As: <0.001
Pb: <0.003
K: <0.01
Cd: <0.005
Ca: <0.005
Mg: <0.002
Insoluble matter:



Packing

In 55.12 LB bag

Transportation

Shipping name: Toxic solid, inorganic, n.o.s. (Nickel(II) chloride hexahydrate)
UN No: 3288
Hazard Class: 6.1
Packing Group: III

Potassium Sodium Tartrate

Wintersun Code: 16-024
CAS Number: 6381-59-5
Molecular Formula: $\text{KOOOC}(\text{CHOH})_2\text{COONa} \cdot 4\text{H}_2\text{O}$
Molecular Weight: 282.23 g/mol

Sales Specification

Assay: 99.0%-102.0%
Alkalinity: Conforming to the standard
Chloride: 0.035% Max
Moisture: 21 - 26
PH Value: 8 - 8.50
Heavy Metals as Pb: 0.001% Max
As: 0.0003% Max
Catalyst Tungsten Acid: 1.2% Max
Quality Standard: FCC III



Packing

In 55.12 LB bag, 36 bags per pallet

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