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Technical Data Sheet

Basic information

| | | | |
|------------------|-----------------------------|--------------------|-----------------------|
| Chemical name | Hydroxylamine hydrochloride | Formula | ClH4NO |
| Synonyms | OXAMMONIUM HCL | | |
| CAS.No. | 5470-11-1 | | |
| EINECS No. | 226-798-2 | Chemical structure | HO-NH ₂ Cl |
| Molecular weight | 69.49 | | |

Physical properties

| | |
|-------------------------------|---|
| Appearance | White crystal powder |
| Density,20℃,g/cm ³ | 1.67 |
| Melting point,℃ | 155-157 |
| Solubility | Soluble in water, ethanol & other organic solvents. |

Specification

| Items | Specification |
|------------------|----------------------|
| Appearance | White crystal powder |
| Assay,% | ≥99 |
| Moisture,% | ≤0.3 |
| Sulfate,ppm | ≤50 |
| Heavy metal,% | ≤0.0005 |
| Fe,% | ≤0.0005 |
| Loss on drying,% | ≤0.45 |

Application

| | |
|---|---|
| Organic synthesis | For preparation of oximes and hydroxamic acids from carboxylic acids, N- and O- substituted hydroxylamines, and addition reactions of carbon-carbon double bond. |
| Surface treatments | Used in the preparation of anti-skinning agents, corrosion inhibitors, and cleaner additives. It is also a starting material for pharmaceuticals and agrochemicals manufacturing |
| Rubber and plastics industries | It is an antioxidant, vulcanization accelerator, and radical scavenger |
| Reducing agent and imaging agent | Used for synthesis of oxime and anti-cancer drugs and sulfa drugs in organic synthesis. In synthesis rubber industry, it is used as non-staining short-term suspension agents, and as battery depolarizer in electroanalysis. |

Package

25kg/fiber drum, 18mt per 20'ft;

25kg/craft bag, 20mt per 20'ft;

Safety on transportation

It belongs to Hazard class 8 dangerous goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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