SODIUM NITRITE WITH ANTICAKING AGENT - SPECIFICATIONS

1. Name: Sodium Nitrite (with Anticaking agent) Export grade
2. Molecular Formula: NaNO₃

PHYSICAL CHARACTERISTICS

1. Description: White or slightly yellowish crystalline powder
2. Water insoluble: 0.05 % Max
3. Clarity of 30 % Aqueous solution: Clear with frothing material

CHEMICAL CHARACTERISTICS

1. Purity (dry basis): 99 % Min
2. Loss on drying: 0.50 % Max
3. Chloride (Cl): 0.1 % Max
4. Sodium Nitrate: 1 % Max
5. Alkalinity (Na₂CO₃): 0.20 % Max
6. Anticaking agent: 0.20 % Max
7. Iron: 0.002 % Max
8. Heavy metals (Pb): 0.005 % Max
PACKING INFORMATION

1. 25 Kg HDPE woven bags with LDPE liner
2. 50 Kg HDPE woven bags with LDPE liner

INDUSTRIAL APPLICATIONS

1. **Dyes and pigments** - It is basic raw material for azo dyes and pigments. It is used for diazotization of amines.

2. **Metallurgy and heat transfer** - It is used as an accelerator in phosphating which is a major component in metal treatment in Automobile industry. Under the heat treatment is is used in combination with 45 % Sodium Nitrite along with Potassium Nitrate and Sodium Nitrate. These are used for quench hardening and tempering steel. This mixture is also used as heat transfer salt.

3. **Corrosion inhibitor** - The product is recommended as an additive for concrete and gypsum to inhibit corrosion of iron reinforcement.

4. **Agrochemicals and Pharmaceuticals** - It is used as an intermediate for lot of A P I and Agrochemicals.