



Sodium Sulphide, Technical (IS 297:2024)

Sodium Sulfide (Na_2S) is a chemical compound that consists of Sodium and sulphur. **Sodium sulphide** is widely used in **tanneries, dyestuff, textile industries**, and **ore beneficiation**. The solution being caustic, it needs proper care in handling.

This standard prescribes the requirements and methods of sampling and test for Sodium sulphide, Technical.

Sodium sulphide, Technical, shall be in the form of **flesh-coloured or dark-brown mass or flakes**. It shall be soluble in water.

Key specifications include a minimum **Sodium Sulphide (as Na_2S)**, percent by mass, 60.0%

Packaging: The material shall be packed in closed containers as agreed to between the purchaser and the supplier. The packages shall be securely closed and bear legibly and indelibly the following information: with mandatory labelling indicating Name and grade of the material, Name of the manufacturer and his recognized trade-mark, if any, Gross and net mass, Date of manufacture and Batch number etc.

Safety and Handling:

Sodium sulphide is corrosive and toxic, particularly in its reactions with water. It releases hydrogen sulphide gas, which is highly toxic, flammable, and has a characteristic rotten egg odour. It should be stored in a dry, well-ventilated area, away from moisture and incompatible materials (such as acids). Protective gloves, goggles, and clothing are recommended when handling sodium sulfide.

Ministry of Chemicals and Fertilizers (Department of Chemicals and Petrochemicals) Quality Control Order mandates that **Sodium Sulphide, Technical** sold, manufactured, or imported in India comply with **IS 297**.