PRODUCT DATA SHEET	Sodium Metabisulphite – $Na_2S_2O_5$

1. Product Description

Sodium metabisulfite, also known as sodium pyrosulfite, is a white, odorless, water-soluble powder. It is a salt of sulphurous acid and sodium.

2. Application

Sodium metabisulfite is used in a variety of applications. In food preservation, ssodium metabisulfite is used as a preservative in a variety of foods. In photography, it is used in photography to develop film and paper to prevent the formation of yellow stains on film and paper. In textile industry it used in the textile industry to bleach and dye fabrics. It also helps to prevent the growth of mold and bacteria on fabrics.

In gold refining, SMBS is typically used to precipitate gold from solution. This is done by adding SMBS to a solution that contains the gold of interest. The SMBS reacts with the gold ions in solution to form a precipitate of gold sulfide, which can then be easily separated from the solution.

3. Typical Properties (Physical & Chemical)

Parameter	Unit	Specification
Appearance	-	White yellowish powder
Melting point	oC	150
Density	kg/l	1.48
Water solubility at 20 oC	%	Max 50%
pH at 30% solution	-	2.5 – 3.0

4. Packaging

- Bag 1 ton

5. Storage and Handling

- Store and use in a dry environment. Use with adequate ventilation. Avoid contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.
- Wear gloves, goggles, and a respirator when handling SMBS to protect your skin, eyes, and lungs from exposure. Wash your hands thoroughly after handling SMBS.