

Technical data sheet

Cobalt Catalysed Ammonium Bi Sulphite

Product Properties and technical data.

Chemical name: - Ammonium Bi Sulphite Cobalt Catalysed

Chemical HS number: - 28322090

Chemical Family: - Inorganic chemical

Chemical Formula: - NH_4HSO_3

Molecular weight: - 99.10

Cas No: - 4719 - 04 - 4, 10192 - 3 - 00

Widely known as: - Catalysed ABS, Catalysed Ammonium Bisulphite, Oxygen Scavenger, and Corrosion Inhibitor.

General Specification:

Sr No	Characteristics	Specifications
1	Physical Appearance	Reddish Clear Solution
2	Assay as $(\text{NH}_4)\text{HSO}_3\%$ by mass.	60 to 70 %
3	Assay as $\text{SO}_2\%$.by mass.	38 to 45.5 %
4	pH	4 to 5.5
5	Specific Gravity	1.38 to 1.41
6	Cobalt Content	0.02% Max.

All the parameters are tested using a process issued by Bureau of Indian standard (BIS). The instrument used in the process are calibrated by NABL acerbated labs.

Other Grades of Ammonium Bi sulphite:

- 1) Ammonium Bi Sulphite industrial grade.
- 2) Ammonium Bi Sulphite food grade.
- 3) Ammonium Bi Sulphite Nickle Catalysed.
- 4) Ammonium Bi Sulphite Cobalt Catalysed.

Application:-

Ammonium bi sulphite cobalt catalysed is widely used in the oil field as an oxygen scavenger and/or corrosion inhibitor. Its function is to remove oxygen from the water. Generally for 1 ppm of dissolved oxygen in water with retention of 5 minutes the ABS used will be 9.5ppm Max. As it is Cobalt catalysed the consumption or the reaction time may reduce depending on application. Other than this there are several more applications like in the Photography industry, Agro industry, and Pharmaceutical industry and as a specialty chemicals.

Handling and storage:

The self-life of the material is 6 months. Do not tamper the seal (packing). Once open, use the material as soon as possible. Store in a well ventilated area under the shade away from direct sunlight, heat or flames. Preferable in a shed where there is no weather effect.

Packing:

250 kg HDPE Drums, 275 kg HDPE Drums, 1000 KG IBC Tank

Production Capacity:

We have a monthly production capacity of 350 MT to 450 MT of Ammonium bi sulphite.