

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : BISMUTH AMMONIUM CITRATE
MSDS no. BPPL 112	SPECIFICATION NO. FP-112

**1. NOMENCLATURE** : Citric Acid Ammonium Bismuth Salt.  
: Ammonium Bismuth Citrate.

**2. CAS No.** : 31886-41-6

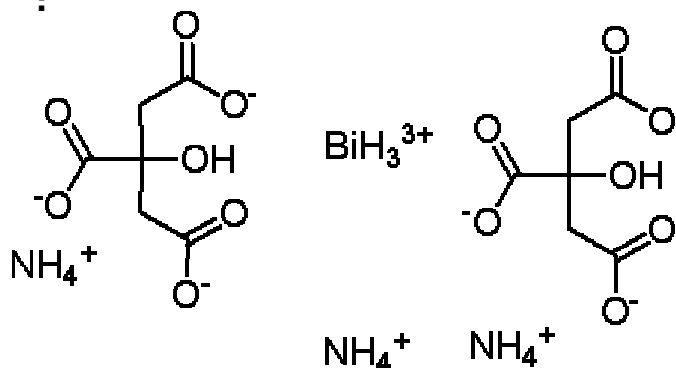
**3. HS CODE** : 2918-15-00

**4. MELTING POINT** : About 271°C

**5. EMPIRICAL FORMULA** :  $C_6H_7O_7, Bi (NH_3)_2 \cdot H_2O$  **OR**  
:  $C_{24}H_{20}Bi_4O_{28} \cdot 6NH_3 \cdot 10H_2O$

**6. MOL. WT.** : 1875.0 ( $C_{24}H_{20}O_{28}Bi_4, 6NH_3, 10H_2O$ )  
: 452.22 ( $C_6H_{13}N_2O_7Bi, H_2O$ )  
: 642.00 [ $(C_6H_5O_7)_2 \cdot Bi \cdot 3NH_4$ ]

**7. STRUCTURAL FORMULA** :



**8. DESCRIPTION** : White or pale white flakes or powder.  
: Soluble in water;  
: Slightly soluble in Ethanol.

**9. THERAPEUTIC USE** : As LR Grade .  
: As Medicine for various treatments, including Burns, Stomach Ulcers, Intestinal Disorders, and in Veterinary applications.

<b>M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)</b>	<b>FINISHED PRODUCT FINE CHEMICALS SPECIFICATIONS</b>
QUALITY CONTROL AND ASSURANCE	PRODUCT : BISMUTH AMMONIUM CITRATE (LR /ACS/Pharma)
MSDS no. BPPL- 112	SPECIFICATION NO. FP-112

- 1. DESCRIPTION** : White or pale white flakes or powder.
- 2. SOLUBILITY** : Soluble in water;  
: Slightly soluble in Ethanol.
- 3. IDENTIFICATION** : **A)** By Reactions of Citrates.  
**B)** BY Reactions of Bismuth.
- 4. CLARITY & COLOUR OF SOLUTION  
(Appearance Of Solution)** : 5% Solution in water is Clear and Colorless.
- 5. NITRATE (NO<sub>3</sub>)** : Max. 0.005% (50 ppm) (ACS)
- 6. LEAD (Pb)** : Max. 0.1% (1000 ppm) (LR/ Pharma)  
: Max. 0.001 % (10 ppm) (ACS)
- 7. COPPER (Cu)** : Max. 0.005% (50 ppm) (ACS)
- 8. ALKALI & ALKALI METALS** : Max. 0.5% (5000 ppm) (ACS)
- 9. SILVER (Ag)** : Max. 0.0005% (5 ppm) (ACS)
- 10. AMMONIUM (NH<sub>4</sub>)** : Max. 4.2% – 4.8% (ACS)
- 11. SODIUM (Na)** : Max. 0.1% (1000 ppm) (ACS)
- 12. MELTING POINT** : 270°C to 271°C

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MSDS no. BPPL- 112	SPECIFICATION NO. FP- 112

- 13. PURITY** : Min. 43% - 46% (LR)  
**[As Bismuth (Bi)]** : 48.0% – 52.0% (ACS)  
(Complexometric)
- 14. PACKING** : 25 Kgs. Fibre drums with double PE liners.
- 15. STORAGE** : Store in a Clean, Dark and Dry warehouse in the original unopened containers.