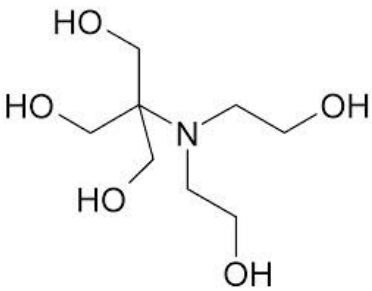


M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : BIS - TRIS (LR / GR / AR GRADE)
MSDS no. BPPL 159	SPECIFICATION NO. FP 159

1. **NOMENCLATURE** : Bis (2-hydroxyethyl) amino Tris  
(Hydroxymethyl) methane
2. **CAS NO.** : 6976-37-0
3. **EMPIRICAL FORMULA** :  $C_8H_{19}NO_5$
4. **MOL. WT.** : 209.24
5. **STRUCTURAL FORMULA** :

6. **MELTING POINT** : 102°C to 105°C
7. **DESCRIPTION** : White crystalline powder, Free Flowing.
8. **APPLICATIONS** : Most common Buffer for Biology / Biochemistry  
in laboratory.  
: For Research Use Only. Not Intended for  
Diagnostic or Therapeutic Use.

<b>M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)</b>	<b>FINISHED PRODUCT FINE CHEMICAL SPECIFICATIONS</b>
QUALITY CONTROL AND ASSURANCE	PRODUCT : BIS - TRIS (LR / GR / AR GRADE)
MSDS no. BPPL 159	SPECIFICATION NO. FP 159

1. **DESCRIPTION** : White Crystalline powder. Free Flowing.
2. **SOLUBILITY** : Solubility in water at 20°C, 209.2 gms. / Lit.  
: Soluble in Alcohol
3. **IDENTIFICATION (IR)** : Passes.
4. **CLARITY & COLOUR OF SOULTION  
(APPEARANCE OF SOLUTION)** : 1.0 M Aq. solution is clear and colorless.
5. **WATER CONTENT** : ≤1.0 %
6. **pH (1.0% Water) at 25 °C** : 9.50 to 11.00
7. **LEAD (Heavy Metal)** : NMT 0.0005% (5 PPM)
8. **Ultraviolet absorbance  
(0.1M aq.) (280 nm )** : NMT 0.04
9. **Ultraviolet absorbance  
(0.1M aq.) (340 nm )** : NMT 0.02
10. **ASSAY (ODB)** : 99.0% to 101.0%
11. **PACKING** : 25 Kgs / 10 Kgs Fibre Drum with PE Line  
Inside .
12. **STORAGE** : At Room Temp. (15°C to 30°C )