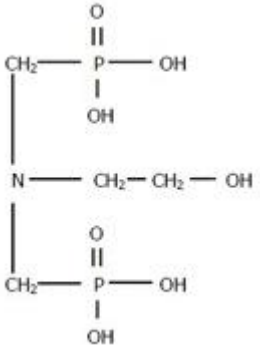
Hydroxyethylamino-Di(Methylene Phosphonic Acid) (HEMPA)

CAS No.	5995-42-6	**EINECS No.**	227-833-4
Molecular Weight	249		

Structural Formula



Product Features

HEMPA is an organophosphoric acid, which exhibits excellent chelation, scale inhibition and corrosion inhibition. HEMPA is also compatible with methanol and water solution. When built together with other water treatment chemicals, HEMPA shows good synergistic effects. HEMPA is also an excellent dispersant for calcium-based deposits. HEMPA significantly improves the rinsing properties of washing and cleaning formulations. In high saline systems of oilfield applications, HEMPA can show its excellent calcium tolerance.

Applications & Usage

HEMPA can be used as industrial cleaner and sequestration of metal ions.

HEMPA is usually used together with other organophosphoric acid, polycarboxylic acid and salt in different areas.

Technical Specification

Items	Index	Index
Appearance	Colorless to light yellow transparent liquid	Colorless to light yellow transparent liquid
Active content, %	50.0 min	60.0 min
pH (1% water solution)	2.0 max	2.0 max
Chloride (as Cl^-), %	5.0 max	5.0 max
Fe, mg/L	20.0 max	20.0 max
Density (20℃), g/cm^3	1.20 min	1.30 min

Package & Storage

HEMPA Liquid			
25L Drum	200L Drum	1000L IBC	ISO Tank
			
Storage for 10 months in shady room and dry place.			

Hazard & Safety Precaution

Hazard Information	Safety Precaution
 Corrosive, Class 8, UN 3265	
Once contacted with eye and skin, flush with plenty of clean water.	

Alternative Name / Synonyms

- Hydroxyethylamino-Di(Methylene Phosphonic Acid)
- Ethanolamine bis(methylenephosphonic acid)
- EABMP Acid