

# PRODUCT INFORMATION



## Solquest® IS 48

CAS NO.: N/A      Structural Formula: N/A

### Physico-Chemical Properties:

Appearance	Pay yellow transparent liquid
Solid content %	53-57
PH(1% water solution)	2.0-3.0
Density (20°C) g/cm <sup>3</sup>	1.23-1.27

### General Information

IS 48 is an amine methylene phosphonic acid used to prepare water soluble scale inhibitors or used as an intermediate to formulate corrosion inhibitors. IS 48 Used for control of calcium, magnesium, strontium, barium or iron scales in cooling water, boilers, water floods or drilling systems. Also has applications as a corrosion inhibitor in oxygenated systems such as cooling towers and drilling fluids.

Normal usage requires dilution with water or other appropriate solvent. IS 48 can be further reacted with sodium hydroxide or ammonia to form a more water soluble sodium or amine salt of the product.

- Normally formulated by raising pH with ammonia
- At neutral pH, can be used in heavy brines with a TDS up to 100,000
- Can be formulated with some corrosion inhibitors for use in multiple applications
- Exhibits very strong anodic properties making it an effective intermediate for oxygen corrosion inhibitors
- Does not adversely affect the rheological properties of drilling muds

### Safety Protection

Acidity, Avoid contact with eye and skin, once contacted, flush with water.



JIANGSU YASLEN ENVIRONMENTAL PROTECTION CO., LTD.

Room 4-1101, No. 18-50 Mid Changwu Road, Changzhou, Jiangsu, P.R. China.  
T: +86 519 85155080      www.yaslen.com