

# SPE Chemicals Co., Ltd.

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## Sodium of Polyaspartic Acid (PASP)

[CAS No. ] 181828-06-8

**Molecular formula:**  $[C_4H_4NO_3Na]_x$

**Molecular weight:** 1000-5000

### Properties:

This product is a soluble polymer. It is a new generation of green water treatment agent, with properties of non-phosphor, non-nitrogen, non-pollution and fully biodegradation. This product has strong chelating effect to calcium ion, has double effects of corrosion inhibitor and antiscala. It has good antiscala effects on calcium carbonate, calcium sulfate, barium sulfate, calcium phosphate, etc.. Its antiscala rate for calcium carbonate is 100%. Moreover, this product possess dispersion and corrosion inhibitor properties.

**Specification:** Meet criterion of HG 2229-1991

items	index
Appearance	Yellow and transparent liquid
Solid component % $\geq$	40.0
Density (20°C) g/cm <sup>3</sup> $\geq$	1.2
pH value (1% water solution)	9.0-11.0

### Usage Methods:

1. It can be used as antiscala and corrosion inhibitor fields of industrial circulating cool water system, boiler water, inverse osmosis, oilfield water and desalination plant. The effects will be even better than ordinary organophosphines when used in situation of high hardness, high alkaline, high pH value and high concentration index. When built with PBTCA, the synergism is obvious.

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2. Due to its green and non-pollution to environment, this product can be used as accessory ingredients in daily and fine chemicals.
3. It can be used in agricultural as nutrient absorption intensifier to improve the production of vegetable, melon and fruit, and flowers. When used together with pesticide, its effects will be improved.

### Package and Storage:

25kg in plastic barrel. Storage for one year in room shady and dry place.

### Safety Protection:

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

