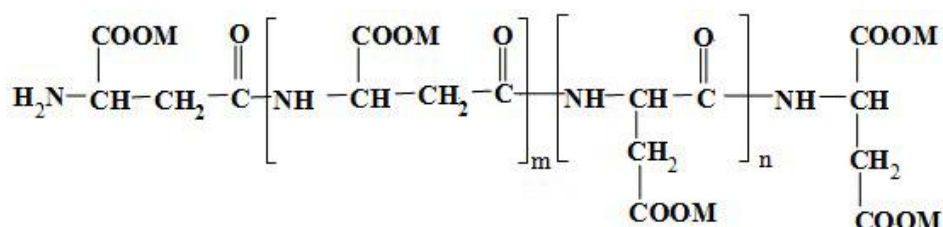


Sodium Salt of Polyaspartic Acid (PASP)



CAS No.	181828-06-8,35608-40-6	EINECS No.	639-847-1
Molecular Formula	$C_4H_5NO_3M(C_4H_4NO_3M)_m(C_4H_4NO_3M)_nC_4H_4NO_3$	Molecular Weight	1000-5000

Structural Formula


$$M \geq n, M \text{ 为 } Na^+$$

Product Features

PASP is a water-soluble polymer,, a new type of green water treatment agent, which is phosphorus-free, non-toxic, pollution-free and fully biodegradable.

PASP has a strong chelating ability to ions, has the dual effect of corrosion inhibition and scale inhibition, has a good scale inhibition effect on calcium carbonate and other scale salts, and the scale inhibition rate of calcium carbonate can reach $\geq 95\%$. At the same time, it has a dispersive effect and can effectively prevent the corrosion of metal equipment.

PASP can replace water treatment agents containing phosphorus to avoid eutrophication and secondary pollution.

Technical Specification

Parameter	Standard
Appearance	Yellow to umber liquid
Solid content, %	40.0 min
Density (20°C), g/cm³	1.20 min
pH (1% water solution)	9.0 - 11.0

Applications & Usage

PASP is widely used in industrial circulating water, boiler water, reverse osmosis water, oilfield water and other water treatment fields as a scale inhibitor and corrosion inhibitor.

PASP has excellent performance in high hardness, high alkalinity, high pH and high concentration ratio systems, and its scale inhibition effect is better than that of common phosphate-containing scale inhibitors. The combination of PASP and PBTCA has synergistic effect.




Because of the characteristics of green environmental protection, PASP can be used as a new type of daily chemical additives and a variety of non-toxic, pollution-free special fine chemicals.

In agriculture, PASP can be used as a nutrient absorption enhancer to promote the production of vegetables, melons, fruits, flowers and other crops, and at the same time, it can improve the efficacy of pesticides.

Package & Storage

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
Not Regulated	  
Once contacted with eye and skin, flush with plenty of clean water.	

Alternative Name / Synonyms

- PASP;
- Sodium Salt of Polyaspartic Acid;
- Sodium PASP;
- Polyaspartate;
- Sodium Salt of Polyaspartic Acid (PASP);