

Technical Data Sheet

1. General product information	
Product name :	HAZ-1120
Chemical name:	Polycarboxylic acid sodium salt
CAS number:	26544-38-7
Product Description:	HAZ-1120 is a class of comb-shaped anionic surfactants that maintain the stability of suspensions through the synergistic action of electrostatic repulsion and steric hindrance; they are indispensable in many industries, including pesticides, coatings, and construction.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless to pale yellow liquid	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	-	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤0.5	GB/T 22313-2008
Iodine value (g I ₂ /100 g)	-	General Rules 0713, Chinese Pharmacopoeia

※ The above data is for reference only and should not be construed as technical indicators.

3. Properties and Applications

Agricultural Chemicals Industry: A key additive in pesticide formulation processing, it is widely used in suspension concentrates (SC) and water-dispersible granules (WG/DF) to control crystal growth. It is also used in the development of high-solid (≥70%) pesticide nano-suspension concentrates to improve product suspension efficiency and storage stability.

Coatings, Inks, and Building Materials Industry: It disperses pigments and fillers in water-based coatings, industrial coatings, printing inks, water-based architectural coatings, and rendering mortars, while improving film properties such as water resistance and gloss.

Consumer Chemicals and Industrial Sectors: Used as a calcium soap dispersant and detergent builder in soaps and laundry detergents; serves as a dispersant in textiles and papermaking; acts as a scale inhibitor and dispersant in water treatment.

Cutting-Edge Technology Fields: Also applied as a dispersant in the new energy industry (e.g., lithium-ion battery electrode slurries).

4. Storage and Handling

Store in dry and cool location and protect the product from heat and direct sunlight. In enclosed original container product keeps stable for at least 2 years. keep the container tightly sealed. Prior taking portions all the lot must be homogenised. please refer to the Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

The information provided in this document is based on the best of our knowledge and experience. It is intended as a general description of our product specifications and shall not constitute a guarantee or agreement regarding the quality of the specified products, respectively. The customer remains responsible for the inspection and testing of the specified products, as well as any supplementary information and documents provided alongside with the specified products, in particular the material safety data sheets, in order to determine their suitability for their particular application.