

The data included herein is based on test information obtained by Asha Resins Pvt. Ltd. This data is believed to be reliable but does not imply any warranty or performance guarantee. We recommend that the user determine performance by testing on his own processing equipment. We assume no liability or responsibility for patent infringement resulting from the use of this product.

ASHAPERSE 9070

ASHAPERSE 9070 S

POLY - ACRYLIC DISPERSANTS



Asha Resins Pvt. Ltd.

REGD. OFFICE : 1232, BHAWANI PETH, PALKHI VITHOBA CHOWK,
PUNE - 411 042. TEL. : 652401. FAX : 474708.

FACTORY ADD. : GAT NO. 227/2, VILLAGE DHANORE,
ALANDI - MARKAL ROAD, TAL. : KHED, DIST. : PUNE. TEL. : 885034.

Product Description

Ashaperse 9070 & Ashaperse 9070 S are the dispersing agents specially designed for the control of scale. It is particularly effective in system using Polyphosphate.

Ashaperse 9070 & Ashaperse 9070 S are low molecular weight polymers of Acrylic acid. Ashaperse 9070 consists of free acid and 9070 S is its sodium salt. It is non-toxic and non-polluting. Therefore water treated with Ashaperse 9070 and 9070 S can be discharged directly into the effluent without any pollution problem.

Properties

	9070	9070 S
Physical form	Liquid	Liquid
Appearance	Clear colourless liquid	Clear to somewhat yellowish
Concentration (dried until weight remain constant) %	25	30
pH	2	7
Density gm/ml	1.1	1.2

Solubility

Ashaperse 9070 & 9070 S can be mixed with warm and cold soft or hard water, and also with aqueous solutions of acids, alkalis and salts. With cationic substance precipitation can occur.

Applications

Water Treatment

Ashaperse 9070 & 9070 S act as a deposit control cum dispersing agent; both by inhibiting the formation of scales and by removing existing scales. It also act as a powerful sludge conditioning agent.

Ashaperse 9070 & 9070 S are exceptionally

effective in inhibiting the formation of scale due to calcium and magnesium phosphates and silicates. It also inhibits the deposition of calcium carbonate, calcium silicates and calcium oxalate scales. Gradual removal of existing scales is also effected at slightly high dose levels of Ashaperse 9070 & 9070 S. Hence it is used in online descaling purpose. It possesses strong dispersing ability, whereby deposition of mud, clay, slit and their mixtures on the metallic surface of the heat transfer equipment is effectively controlled to ensure long equipment life and the economical operation of the system. Ashaperse 9070 & 9070 S prevents deposit accumulation in low velocity areas.

Acting as a powerful sludge conditioning agent, Ashaperse 9070 & 9070 S controls and conditions the orthophosphate sludge generated in the system using polyphosphate formed by hydrolysis of polyphosphate.

Ashaperse 9070 & 9070 S also acts as a crystal distorting agent.

Sugar Processing

Ashaperse 9070 & 9070 S is used as an antiscalant in sugar industry. In this application, it acts as a dispersing agent for the sparingly soluble alkaline earth salts which are formed during the evaporation of the sugar juice in the evaporators in the presence of anions that form deposits e.g. Phosphate, sulphate, silicate, carbonate and oxalate.

Other Applications

i) Ashaperse 9070 & 9070 S can be used as dispersants in paints.

ii) Ashaperse 9070 & 9070 S are also used in paper coatings to enable preparation of high solid slurries to ensure consistent rheological properties and enable maximum development of gloss.

iii) Ashaperse 9070 & 9070 S can be used as dispersant in bulk slurries preparation. It enables the preparation of high solids, low viscosity, low particle size slurries to be prepared. This aids in slurry stability and reduces transport cost by minimising slurry water contents.

iv) Ashaperse 9070 & 9070 S can be used in oil drilling industry. They are used in the deflocculation of water based drilling muds. They have excellent temperature stability making them particularly valuable in muds where deep or explorational drilling is envisaged.

v) Ashaperse 9070 & 9070 S can be used as detergent builders in both liquid and powder detergents. The benefits with the use of these polymers are :

- Improve both primary & secondary detergency.
- Energy saving during spray drying as a result of higher crutcher solids.
- Scale inhibition with excellent chlorine and thermal stability.
- Improved flow and dustness of dry powder.

vi) Ashaperse 9070 & 9070 S can be used in retaining aid leather processing.

vii) Ashaperse 9070 & 9070 S can also be used as water based inner tyre release agents.

viii) Ashaperse 9070 & 9070 S can be used as dispersant for trace metal complexes.

Feeding

Ashaperse 9070 & 9070 S can be added as an aqueous solution to the feed water or can be used directly in the formulation of water treatment chemicals.

Handling Precaution

Contact with eyes and skin should be avoided. In case of contact, wash with plenty of water. Gloves and goggles should be used when appropriate.

Packing

Ashaperse 9070 & 9070 S is available in 50 kg HDPE carboys.

Dosage

Proper dosage depends on various factors and conditions encountered in specific systems. For best results continuous feeding of Ashaperse 9070 & 9070 S is recommended. Normally a level of 5-30 ppm should be sufficient for most aqueous systems.

Note: In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice.