

tags:
Markt: reiniging, waterbehandeling
Eigenschap: dispergeren, pH buffer
Functie: waterontharding, anti corrosie, anti aanslag, stabiliseren
Soort: polymeer
Waarde: biologisch afbreekbaar
Doelgroep: reiniging: waspoeders, tabs, pods, vloeibare middelen
waterbehandeling: boilers, koelers, warmtewisselaars

Briteframe PASP

Sodium salt of Polyaspartic Acid

CAS nr: 181828-06-8, 35608-40-6

Product information

Synonyms: $C_4H_6NO_3(C_4H_5NO_3)_N C_4H_6NO_4$

Briteframe PASP is a readily biodegradable, phosphor-free biodegradable multivariate polymer and thus avoiding eutrophication. Briteframe PASP is a scale and corrosion inhibitor and dispersant comparable to conventional polyacrylates. It disperses calcium carbonate (100% inhibition), calcium sulphate, barium sulphate, calcium fluoride and silica scale with effects better than that of ordinary organophosphines.

The synergies with organophosphates are obvious.

Briteframe PASP can be used in high alkaline, high water hardness, chlorine, chlorite and other water treatment agents, as well as high concentration index.

Earlier attempts to convert PASP-40% solutions into solids resulted in powders which were so hygroscopic, that they stuck together. Applications were practically not possible. Sirius does succeed to supply a free flowing granulate in particle sizes that fit various end products.

Briteframe PASP is allowed in  formulations.

The applications are: detergents, cooling and boiler water systems, reverse osmosis, oilfield water, desalination plants, nutrient absorber in agriculture.

Product specifications

Test Item	40% solution commodity	90% granulate innovation
Appearance	amber transparent liquid	amber colored powder
Solid acid, %	40.0 min	90.0 min
Density(20°C), g/cm ³	1.2 min	-
pH (1% water solution)	9.0 - 11.0	9.0 - 12.0

[Change specifications](#)

Commercial

Packaging 40% solution:

25liter jerrycans, 250kg (200liter) drums, 1250kg (1000liter) IBC, 24mt ISO tank container (bulk)

Packaging 90% granulate:

25kg bags, 1000kg bigbags, ISO tank container (bulk)

Lead time:

6 weeks

Technical

Briteframe PASP is readily biodegradable under OECD301b; over 60% within 28 days (ISO-9439)

Copyright Sirius International ©

The information in this datasheet is to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without warranty or guarantee since the conditions of use are beyond our control.