

Chemical nature

BMG-SPO is a polysaccharide with functional additives.

Physical properties

Physical form	Powder
Colour	From beige to yellow-brown
Odor	Specific
Ionic charge	Anionic
Molecular weight	High
Humidity, no more than, %	15
pH of 1% water solution	5.5 - 6.5
Bulk density, g/cm ³	0.6 - 0.7
Viscosity of 1% water solution, mPa·s	150 - 360

Application areas

BMG-SPO is used to increase the extraction rate of palm oil from sludge.

Operating principle

BMG SPO forms a thin film which separates the oil from the surface of the solids.

Advantages

- Increases palm oil extraction by 20-30%;
- Reduces moisture content in SPO to less than 1%;
- Reduces extraction time by 2 times;
- Reduces water consumption by 3 times;
- No special equipment required for dosing;
- 100% biodegradable;
- Non-toxic and environmentally friendly.

Application

BMG-SPO is used as a working solution with a concentration of no more than 1%.

Stirring speed – 900 rpm (until a funnel forms).

Mixing time – 60 minutes (or until completely dissolved).

The working solution is dosed into sludge before the settling stage. Working solution and 25% of water are simultaneously added to sludge. BMG-SPO can be dissolved in the added water, or prepared separately in a smaller volume.

Dosage

Recommended consumption of BMG-SPO:

- For dry product – 1 kg/m³ sludge;
- For working solution – 100 l/m³ sludge.

To clarify the optimal dosages of BMG-SPO, it is recommended to conduct laboratory tests and/or industrial trials.

Packaging

BMG-SPO is supplied in 20 kg bags.

Storage

BMG-SPO is recommended to be stored in closed, ventilated warehouses under conditions that prevent exposure to precipitation and dust, protected from direct sunlight, at temperatures from +5 to +35 C.

Guaranteed shelf life in original packaging, subject to transportation and storage rules, is 36 months from the date of manufacture, after opening the package – 7 days, subject to storage conditions. The shelf life of the working solution – 3 days.

Safe handling measures



Safety data sheet available upon request.

Contacts

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The information presented in this technical data sheet is for reference only and does not constitute instructions for use, an offer or terms of agreement regarding product quality. To achieve optimal results, selection of products and optimal dosage is required depending on the practical application.

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