

TEGO® Sulpho 1

Product description

TEGO® Sulpho 1 is liquid, non-ionic polyether modified polysiloxane.

Physical properties

Appearance / colour	yellowish
Active matter	100 %
Density [25° C]	1.03 - 1.05 g/ml
Dynamic Viscosity [25° C]	2 000 - 3 400 mPas
Cloud point (4 % in H ₂ O)	41 - 45 °C
Flash point	> 65 °C

Application

TEGO® Sulpho 1 is used as a shaping and release agent on a steel belt during the sulphur pastillizing process. It is water soluble and therefore easy dilutable.

Dosage and Handling

During the sulphur pelletizing process a ~3 wt% aqueous solution of TEGO® Sulpho 1 is applied via a release agent bath.

To prepare the aqueous solution TEGO® Sulpho 1 should slowly be poured into water and gently stirred until a homogeneous mixture is established.

Benefits / Properties

- TEGO® Sulpho 1 enables improved workers safety and easier handling. It is expected to reduce the sulphur dust level by approx. 50 %. This reduction is mainly achieved due to improvement and consistency in pellet shape and better separation from the conveyor belt.
- Compared to silicone oil emulsions aqueous solutions of TEGO® Sulpho 1 are superior due to:
 - better release properties
 - improved long term stability
 - enhanced stability under hot and cold conditions (no separation)
 - easier cleaning of the conveyor belt
- The pure aqueous dilution of TEGO® Sulpho 1 is non-foaming and shear stable.
- TEGO® Sulpho 1 enables a long-term continuous operation of the steel belt, thus decreasing operating and maintenance costs.

Registration status

TEGO® Sulpho 1 is listed in the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, PICCS, IECSC (China) and NZIOC

Storage stability

TEGO® Sulpho 1 may be stored for at least 12 months upon delivery under the condition that it is kept in factory-sealed packaging and protected against extreme weather conditions, particularly against heat, cold and moisture, in a temperature range between 5 – 50°C.

Packaging

25 kg drums (Pallet at 300 kg = 12 x 25 kg)
200 kg drums (Pallet at 800 kg = 4 x 200 kg)
Container at 950 kg

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Trademark notice and legal notice

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