

Technical Information

ACCUREL® AF 401

ACCUREL® AF 401 is a mixture of vegetable based sorbitan monostearate and low-density polyethylene (LDPE).

Physical Properties

Melt temperature	approx. 107 °C
Bulk density	400 – 600 kg/m ³
Colour	Creme
Delivery form	Pellets
Additive Content	40 (± 2) wt%

Application

ACCUREL® AF 401 is used as an anti-fogging masterbatch for (L)LDPE based agricultural films. The active ingredient migrates to the surface of the film where it reduces the surface tension and helps to spread water droplets on the surface into a homogeneous layer.

ACCUREL® AF 401 improves the transparency of the film and reduces water dripping.

Dosage

ACCUREL® AF 401 can be incorporated using gravimetric or volumetric dosing equipment or by pre-blending it with the base resin.

A dosage between 2.0 % and 5.0 % is recommended.

Food Contact Status

EU: EC 10/2011

ACCUREL® AF 401 complies with EU regulation EC 10/2011.

USA: FDA 21 CFR

ACCUREL® AF 401 can be used as an additive in polyolefins in contact with food according to 21 CFR (FDA) Sec. 177.1520 (olefin polymers).

China: GB 9685-2016

ACCUREL® AF 401 is listed with respect to its active standard composition in GB 9685-2016 for use in Plastic (PE, PP, PS, AS, ABS, PC, PVDC, PET) with food contact.

Registration Status

ACCUREL® AF 401 complies with REACH Regulation (EC) No 1907/2006.

The ingredients of ACCUREL® AF 401 are listed/comply with the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, TCCL, PICCS, IECS, NZIOC, TCSI

Storage Stability

12 months after date of production under normal good storing conditions.

Packaging

30 kg net in a cardboard box with PE inliner
720 kg net (24 x 30 kg)

Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® AF 401.

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