

VARISOFT® 3696

Product description

1-ethyl-2-noroleyl-3-imidazolinium ethyl sulphate at 100% actives.

Physical properties

1. Appearance (20 °C)	light amber, viscous liquid
2. Active matter (mw = 768)	100 %
3. pH value (5 % in IPA/water)	3.0 - 6.0
4. Density, g/cm ³	approx. 0.95
5. Viscosity @ 20 °C, mPa·s	approx. 4,500
6. Viscosity @ 40 °C, mPa·s	approx. 1,300

Application

VARISOFT® 3696 is a cationic hydrophilic softener. It is useful as a coupler and co-emulsifier for cationic formulations.

VARISOFT® 3696 can be used to formulate high concentrated dispersions.

Benefits

VARISOFT® 3696 contains no solvent.

VARISOFT® 3696 is a highly substantive liquid, a cationic surfactant with weak emulsifying properties.

VARISOFT® 3696 is a substantive softener. It is dispersible in water and imparts excellent re-wetting properties to the treated fabrics. It is usable for the production of high concentrated aqueous dispersions.

VARISOFT® 3696 is rather yellowing on white fabrics. It imparts ozone-fade resistance to the treated fabrics or garments (jeans).

Dosage/Handling

For the direct application the use of stock dispersions of about 10 % concentration is recommended.

For the padding application (Foulard) approx. 2 – 6 g/l VARISOFT® 3696 are used.

In the exhaust method approx. 0.1 – 0.8 g/l VARISOFT® 3696 (based on textile weight) are used (temperature approx. 45 °C, duration approximately 20 minutes).

Dosage has to be adjusted on the specific application, as well as on the required performance.

Guidance to 10% dilution preparation

Never add water directly to VARISOFT® 3696. This will result in a gel that is difficult to disperse.

The proper technique is to slowly add VARISOFT® 3696 to the warm water with thorough mixing.

Registration status

The components of VARISOFT® 3696 are listed in the following chemical inventories:

EINECS, NDSL, AICS and China

Storage stability

VARISOFT® 3696 as delivered can be stored in closed drums for 12 months.

Storage tank should be heated and have circulation pumps or stirring devices. Prolonged storage at high temperatures (approx. 60°C) will result in product discoloration. Do not expose VARISOFT® 3696 to freezing temperatures. If VARISOFT® 3696 is frozen, place in a warm room and allow to slowly return to room temperature.

FDA Status

FDA Food Contact Notification 389: VARISOFT® 3696 may be used as a debonding agent in food contact paper and paperboard at levels not to exceed 0.5% by weight of the dry paper and paperboard. It may be used in contact with all food types under Conditions of Use B–H, as described in 21 CFR 176.170 (c) tables 1 and 2, respectively. Health rating of 3.

Packaging

193 kg drum

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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