

VARISOFT® 222 LM (90%)

Composition

VARISOFT® 222 LM (90%) is a ditallow diamidoamine ethoxylated quaternary softener concentrate. VARISOFT® 222 LM (90%) is a fluid, cold-water dispersible softener concentrate.

Typical properties

Appearance @ 20 °C	Light yellow liquid
Gardner Color	6 max
Solids, %	84 – 87
pH (5% in IPA/water)	5.0 – 6.5
IPA, %	7.5 – 9.5
Flash Point, PMCC	29°C

Application Fields

- VARISOFT® 222 LM (90%) is recommended for finishing and preparation of yarns, woven and knit goods made of natural and synthetic fibers (polyester, polyamide, polyacrylonitrile), as well as their blends.
- VARISOFT® 222 LM (90%) is particularly recommended for the treatment of cotton and cotton blends such as knit, twill and terry cloth.
- VARISOFT® 222 LM (90%) is suitable for application as a single component from aqueous dilutions by padding or the exhaust method.
- For economical performance enhancement, VARISOFT® 222 LM (90%) is easily formulated with alkylpolyether siloxanes or α , ω silicone diquaternary softeners.

Benefits

- VARISOFT® 222 LM (90%) is economical to use.
- VARISOFT® 222 LM (90%) is highly substantive and imparts a soft, dry, fluffy hand to treated goods.
- White goods treated with VARISOFT® 222 LM (90%) show very little yellowing.
- VARISOFT® 222 LM (90%) is a flowable concentrate which is readily dispersible in water in concentration ranges of 3 – 25% actives.
- On nylon, polyester, acrylic and polypropylene fabrics, VARISOFT® 222 LM (90%) exhibits excellent antistatic properties.
- Independent testing of VARISOFT® 222 LM (90%) confirms antiozonate properties.
- VARISOFT® 222 LM (90%) is resistant to phenolic yellowing.
- VARISOFT® 222 LM (90%) is a cationic surfactant compatible with nonionic, amphoteric and cationic finishing products.
- VARISOFT® 222 LM (90%) exhibits good stability to acids, alkalis, electrolytes and hardness salts.

Registration status

VARISOFT® 222 LM (90%) is listed on the TSCA inventory.

VARISOFT® 222 LM (90%) is cleared for the following international inventories:

- Korea (ECL)
- China
- Canada (DSL)
- Australia (AICS)
- Philippines (PICCS)

Storage stability

VARISOFT® 222 LM (90%) can be stored in the original sealed containers at room temperature for 12 months. To ensure homogeneity after prolonged storage or transport, it is recommended that the material is stirred prior to use. For additional storage and handling information, please refer to the material safety data sheet.

Packaging

VARISOFT® 222 LM (90%) is packaged in specially lined, open-head steel drums, 193 kg net weight. It is also available in bulk quantities.

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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