

Product Information

VARISOFT® 222 LM (90%)

Ditallow diamidoamine ethoxylated quaternary softener

PRODUCT DESCRIPTION

VARISOFT® 222 LM (90%) is a ditallow diamidoamine ethoxylated quaternary softener concentrate.

VARISOFT® 222 LM (90%) is a fluid, coldwater dispersible softener concentrate.

Typical Properties

Property	Unit	Value
Activity	%	90
Appearance		yellowish Liquid
Color Colour to Gardner		max. 5.5
Diluents		7.5 - 9.5 % IPA
Flash Point, min. min.	°C	29
pH Value 5 % in IPA/water		2.5-5.0
Solvent		<10.5 % IPA

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

- 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 , ∞ silicone diquaternary softeners

BENEFITS & ADVANTAGES

- Economical to use
- Highly substantive and imparts a soft, dry, fluffy hand to treated goods
- White goods treated with VARISOFT® 222 LM (90%) show very little yellowing
- 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
- Is resistant to phenolic yellowing
- Is a cationic surfactant compatible with nonionic, amphoteric and cationic finishing products
- Exhibits good stability to acids, alkalis, electrolytes and hardness salts

HANDLING & PROCESSING

VARISOFT® 222 LM (90%) is a flowable concentrate which is readily dispersible in water in concentration ranges of 3 - 25% actives.

PACKAGING

VARISOFT® 222 LM (90%) is packaged in specially lined, open-head steel drums, 19 kg net weight. It is also available in bulk quantities.

STORAGE

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 our material safety data sheet.

SHELF LIFE

12 months from date of delivery.

HAZARDOUS SUBSTANCE

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.

REGISTRATION LISTING SUMMARY

The relevant components of VARISOFT® 222 LM (90%) are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Australia (AIRC)	Yes
Canada (DSL)	Yes

Registration Listings

Registry	Status
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
South Korea (TCCL)	Yes
Türkiye (KKDIK)	Yes
Taiwan (TCSI)	Yes
USA (TSCA)	Yes

Disclaimer

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