

GETREN® R 4500

Chemical description

Mixture of ester oils, silicone oil free

Physical properties

Appearance	yellowish, clear
Active matter	100 %
Viscosity (25 °C)	3 500 - 5 500 mPas
Specific gravity (25 °C)	approx. 1 g/cm ³

Application

GETREN® R 4500 is a release agent which is mainly used for the production of rubber hoses based on VAMAC® or other high temperature rubber mixtures.

Advantages

- Excellent slip and release properties
- Good lubricating properties on the mandrel after vulcanisation
- Water soluble, thus washable with warm water, no need of additional detergents
- > 95 % biodegradable (OECD 302 B) (already after 15 days)

Dosage/Handling

GETREN® R 4500 is recommended to be used in **non-diluted form**. The release agent should be applied by dipping or brushing of the mandrels.

Dilution with water is possible and even required for its washability. However, very strong dilutions during drifting may reduce the release effect, thus all dilutions must be tested first under the customer's specific circumstances. For further information please contact our technical managers.

Registration status

The ingredients of GETREN® R 4500 are listed in the following chemical inventories:

EINECS, TSCA, AICS, CHINA, NDSL and TAIWAN

Storage stability

In originally sealed containers GETREN® R 4500 can be stored for at least 1 year.

Protect from Frost !

Packaging

- 25 kg PE drum (200 kg per pallet)
- 200 kg PE drum (800 kg per pallet)
- 1 100 kg container

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

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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