

## Product Specification

## GETREN® R 4600

## Chemical description

Biodegradable release agent based on a mixture of fatty acid ethoxylates and polyether.

## Physical properties

Appearance	Yellowish, slightly burbid
Active matter	100 %
Viscosity (25 °C)	1 200 – 1 800 mPas
Specific gravity (25 °C)	Approx. 1 g/cm <sup>3</sup>

## Application

GETREN® R 4580 is a release agent for high temperature resistant rubber hoses based on ECO and CR.

## Advantages

- Excellent slip and release properties
- Good lubricating properties on the mandrel
- Water soluble thus washable with hot water, no need of additional detergents
- > 70 % biodegradable (OECD 302 B)

## Dosage/Handling

GETREN® R 4600 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 components of GETREN® R 4600 are listed in the following chemical inventories:

EINECS, TSCA, ENCS, CHINA, ECL, ECS

## Storage stability

In originally sealed containers and at temperatures between 10 °C and 30 °C GETREN® R 4600 can be stored for at least 1 year. Protect from frost!

## Packaging

200 kg PE drum (800 kg per pallet)  
1 100 kg PE 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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