

## Product Specification

## GETREN® R 4580 (biodegradable)

## Chemical description

Biodegradable release agent based on organic substances, silicone oil free.

## Physical properties

Appearance	Yellowish, clear
Active substance content	100 %
Viscosity at 25 °C	2 000 – 2 500 mPas
Density (25 °C)	Approx 1 g/cm <sup>3</sup>

## Application

GETREN® R 4580 is a release agent for shape rubber hoses, especially suited for acrylic rubber blends like VAMAC, AEM, ACM.

## Advantages

- Excellent slide and release properties.
- Good lubrication on the mandrel.
- No foaming on hot surfaces.
- Water soluble, thus easily washable with water, preferably at higher temperatures without addition of surfactants.
- 98 % biodegradable (as determined by the Zahn-Wellens-Test OECD 302 B) by DIN EN ISO 9888 within 7 days.
- No labelling.

## Dosage/Handling

GETREN® R 4580 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, 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 4580 are listed in the following chemical inventories:

EINECS, TSCA, ENCS, CHINA, ECL

## Storage stability

In originally sealed containers and at temperatures between 10°C and 30°C GETREN® R 4580 can be stored for at least 1 year.

Protect from frost!

## Packaging

200 kg PE drum (800 kg per pallet)  
1 000 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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