

Technical Data Sheet

## STRUKTOL® AKTIVATOR 74

Vulcanization Activator

### Composition

Blend of zinc soaps of aliphatic and aromatic carboxylic acids.

### Properties

Appearance		beige to redbrown pastilles
Density	[kg/m <sup>3</sup> ]	1100
Bulk density	[kg/m <sup>3</sup> ]	700
Dropping point	[°C]	100
Ash content	[%]	16
Physiological behaviour		refer to safety data sheet
Storage stability		at least 24 months under normal storage conditions
Packing		20 kg bags

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.



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## **Recommendations for Application**

STRUKTOL AKTIVATOR 74 was developed as cure activation additive for use in sulphur cure systems in many diene rubbers

STRUKTOL AKTIVATOR 74 can partly or completely replace common fatty acid based activators, such as stearic acid, zinc stearate, or zinc 2-ethylhexanoate.

When used in NR containing compounds an increased reversion resistance is obtained. This stability can be used to overcome property loss due to overcure of large cross section articles for example.

Physical properties are improved by use of STRUKTOL AKTIVATOR 74, generally a higher state of cure can be achieved which results in increased modulus.

STRUKTOL AKTIVATOR 74 has a beneficial influence on dynamic properties, lower  $\tan \delta$  has been observed and a reduced heat build up on flexing due to the better resistance to reversion may be obtained.

Processability is enhanced by use of STRUKTOL AKTIVATOR 74, flow properties are improved, particularly in NR containing compounds. The use of additional process additives can be avoided.

Further, STRUKTOL AKTIVATOR 74 is an effective physical peptizer for the mastication of natural rubber.

## **Dosage**

2 - 4 phr

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence. Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

This new leaflet replaces all previously printed documentation.

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