



STRUKTOL[®] ZEH, ZEH-DL
ACTIVATORS FOR NATURAL RUBBER

COMPOSITION

Zinc 2-ethylhexanoate
Silica

ZEH

100%

ZEH-DL

66.7%
33.3%

PROPERTIES

Appearance

High viscosity liquid

Light powder

Specific Gravity

1.20

1.46

Viscosity at 25°C (mPa-s, max.)

7000

Zinc Content (% , max.)

24

16.6

Physiological Behavior

Refer to safety data sheet

Storage Stability

At least 2 years under normal storage conditions.

Packaging

200 kg. drums

25 kg. PE bags

RECOMMENDATIONS FOR APPLICATION

STRUKTOL[®] ZEH, a rubber soluble zinc soap, is an activator for natural rubber. It is used instead of stearic acid and reduces stress relaxation and primary creep of NR-vulcanizates, especially in combination with soluble EV-systems.

STRUKTOL[®] ZEH-DL is a dry liquid of STRUKTOL[®] ZEH. As a free flowing powder, it offers processing advantages compared to the high viscous liquid STRUKTOL[®] ZEH.

STRUKTOL[®] ZEH and STRUKTOL[®] ZEH-DL can be used for masticating natural rubber like other soluble zinc soaps.

STRUKTOL[®] ZEH offers heat stability (reversion resistance) in natural rubber compounds containing normal levels of sulfur, particularly with thiazole accelerators.

STRUKTOL[®] ZEH and STRUKTOL[®] ZEH-DL can partly replace stearic acid in synthetic rubber like SBR and NBR. Constant physical values such as tensile strength and elasticity can be achieved caused by the good dispersion of the soluble activator.

DOSAGE

STRUKTOL[®] ZEH: 1 - 3 phr

STRUKTOL[®] ZEH-DL: 1.5 - 4.5 phr

(07/27/97)typ