



# **STRUKTOL<sup>®</sup> ACTIVATOR 73 A, ACTIVATOR 73 LM**

**MULTIFUNCTIONAL CURE ACTIVATOR**

## **COMPOSITION**

Mixture of zinc salts of aliphatic and aromatic carboxylic acids.

<b>PROPERTIES</b>	<b>TYPICAL VALUES</b>	
	<b>ACTIVATOR 73 A</b>	<b>ACTIVATOR 73 LM</b>
Appearance	Antique white pastilles	Antique white pastilles
Dropping Point (°C)	105-117	94-106
Specific Gravity	1.24	1.15
Zinc Content (% , max.)	20	12
Physiological Behavior	Refer to safety data sheet	
Storage Stability	At least 2 years under normal storage conditions.	
Packaging	55 lb. PE bags	

## **RECOMMENDATIONS FOR APPLICATION**

STRUKTOL<sup>®</sup> Activator 73 A and STRUKTOL<sup>®</sup> Activator 73 LM, a formulation of selected zinc salts, are very effective activators for the sulfur vulcanization of diene rubber, especially natural rubber. STRUKTOL<sup>®</sup> Activator 73 A and STRUKTOL<sup>®</sup> Activator 73 LM can partly or totally replace conventional activators based on fatty acids, e.g., stearic acid, zinc stearate, and zinc 2-ethylhexanoate.

The following improvements are achievable by application of STRUKTOL<sup>®</sup> Activator 73 A and STRUKTOL<sup>®</sup> Activator 73 LM: 1) prolonged reversion time, 2) higher modulus, 3) less heat buildup under dynamic load, and 4) reduced compression set at elevated temperatures, 5) improved properties at high temperature cures, 6) viscosity reduction at high shear.

STRUKTOL<sup>®</sup> Activator 73 A and STRUKTOL<sup>®</sup> Activator 73 LM can be used as an effective physical peptizer for the mastication of natural rubber. It improves processability in mixing, extrusion and molding.

STRUKTOL<sup>®</sup> Activator 73 LM is designed for low shear and low temperature mixes.

## **DOSAGE**

2 - 5 phr, in combination with 2 - 5 phr zinc oxide