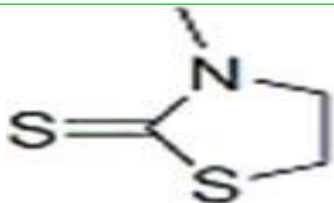


## Accelerator MTT

DESCRIPTION	Items		Specification	
	 3-methylthiazolidine-2-thione $C_4H_7NS_2$ M.W :133.1 CAS No.: 1908-87-8 EINECS NO:217-614-1	Appearance		White to light-brown crystal
		Initial Melting Point, °C min.		65.0
		Heat Loss, % (50°C 2hr) max.		0.50
		Ash, % (800°C 2hr) max.		0.50
		Density, g/cm <sup>3</sup>		1.36
		Residue on 500µm % max.		0

**Properties** Curekind<sup>®</sup>MTT is white to light-brown crystals, soluble in toluene, methanol, slightly soluble in acetone, not soluble in gasoline and water.

**Application** Curekind<sup>®</sup>MTT a thiazole of the heterocyclic chemical. This chemical contained active sulfur atoms, to cross-linking polymer containing halogen, especially for neoprene. During the vulcanization of the neoprene, sharing with a metal oxide (such as ZnO, MgO or PbO), can achieve a high degree of Cross-linking in a very short time. The MTT rubber compounds has different scorching time based on the different fillers. Increase the dosage of MgO or other fillers, can delay scorching time. Can be activated with thiuram or dithiocarbamate salts accelerators. Because of the MTT with characteristics of low-melting determined, in neoprene rubber mixing, MTT has excellent dispersion. MTT also is super-efficient accelerators, can be joined together with the ZnO in the last stages of mixing. Can substitute thiourea type accelerator ETU, is environment-friendly accelerator. To CR as raw material injection molding or extrusion rubber parts: such as hoses, sealing strips, cable sheathing or insulation layer, V-belts, rubber boots, weather strip etc.

**Dosage** CR Rubber (100phr rubber)

4phr MgO or 5phr ZnO or 20phr PbO: 0.4-1.5phr MTT

In low content of rubber or added the light-color filler in rubber mixing compound:

To achieve the best machining performance: 0.5-1.0phr MTT + 0.2-1.0phr Sulfur;

Continuous vulcanization: 0.8-1.5phr MTT

**Safety and Toxic** Refer to the MSDS

**Storage:** Store in closed containers in a cool, dry, well-ventilated place. Avoid exposure under direct sunlight.

**Package:** Co-extruded paper bag lined with PE plastics film bag. N.W.25kg/bag; N.W.500kg/pallet.

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.