



## SOVEREIGN CHEMICAL COMPANY

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# Process Aid HTX

**Manufacturer** Shandong Yanggu Huatai Chemical Co., LTD.

**Classification** Process Aid

**Function** Dispersing agent for carbon black and silica

### Physical Data

#### Specification Properties

	Value	Test Method
Ash Content, % by mass	18.0-22.0	GB11409.7-89
Melting point, °C	70.0-94.0	

#### Typical Properties

	Value	Test Method
Density, g/cm <sup>3</sup> @20 °C	1.05 minimum	
Physical Form	Brown pastille	Visual

### Applications

**Uses:** Peptizer for natural and isoprene rubber as well as for their blends with other synthetic rubbers; processing promoter for synthetic rubber; activator with delayed action. Used in molded and extruded goods of all types, expanded rubber articles, hard rubber. Peptizing effect in NR and IR above 60°C. Retards scorch and accelerates vulcanization.

**HTX** differs from HPP by virtue of its low melting range and becomes effective in natural and isoprene rubber at a mill temperature as low as 60 °C. Being rubber soluble, a homogeneous breakdown is achieved without the risk of blooming. **HTX** prolongs the scorch time and serves as a dispersing agent for all fillers. Due to its zinc content it activates the vulcanization. An addition of stearic acid is not necessary and a reduction in zinc oxide is possible. **HTX** shortens the mixing time and improves the flow characteristics of the uncured compound. **HTX** has no adverse effect on rubber-to-metal bonding. **HTX** improves the storage stability, which is of particular advantage in direct vulcanization.

**Processing:** **HTX**, when used as a peptizer, should be added at the beginning of the mixing cycle. As activator or processing promoter **HTX** should be incorporated together with the fillers.

### Dosage

in NR: 1 - 3 phr	in IR: 1 - 3 phr
in SBR: 1 - 3 phr	in EPM: 2 - 3 phr
in EPDM: 2 - 3 phr	in HNBR: 2 - 3 phr
in NBR: 1 - 3 phr	

### Packaging and Storage

**Packaging:** 25 Kg (55.1 lb.) bag.

**Shelf Life:** 2 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packaging in a cool dry area.

Specification Date: July 9, 2015 (Supercedes: February 10, 2014)