

## YLSCH Retarder E-80

### Environmental Retarder E

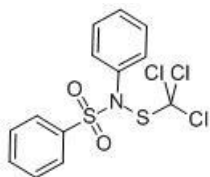
**CHEMICALNAME:**N-Phenyl-N-(Trichloromethylsulfenyl)-Benzene Sulfonamide

**MOLECULAR FORMULA:**C<sub>13</sub>H<sub>10</sub>Cl<sub>3</sub>NO<sub>2</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 382.71

**CAS NO.:**2280-49-1

#### MOLECULAR STRUCTURE:



#### SPECIFICATIONS:

Active Content(%)	80	Carrier	SBR
Appearance	Light-pink Granules	Purity	97% min
Sulfur Content	12.5	Ash Content	0.5% max
Density(g/Cm <sup>3</sup> )	1.3	Heat loss	0.5% max
Mooney(ML1+4,50°C)	50	63µm Sieve Residue	0.5% max
Composition	Mixture of 80% N-Phenyl-N-(Trichloromethylsulfenyl)-Benzene Sulfonamide and 20% polymer and dispersing agent		

※Binder type can be customized. Except SBR, others binders, such as EPDM,NBR also can be available for.

#### PROPERTIES:

E-80 is excellent environmental retarder for natural and synthetic rubber, suitable for EPDM, NBR and HNBR, it obviously delay the scorch time, but not affect the curing speed. Especially for thiuram vulcanization system, and can be used as the second promoting agents to reduce curing time and improve production efficiency. No pollution, not changing color can be used for light products. Meanwhile, it can improve EPDM and NBR the sulfurization cross linking density, improve stretch for stress, reduce the permanent compression deformation and have no harmful substances during curing process.

#### ALPPLICATIONS:

Automotive rubber sealing system.

#### DOSAGE:

0.5-1.5 phr. Active material is as same as DZ-01, but active content is higher more.

#### PACKAGING&STORAGE:

Net weight 25kg/carton lined PE bags; Net weight 600 kg/pallet.

Shelf-life : 1 year in its original packaging Stored in a dry and cool place.

#### Compared to traditional Retarder E powders, YLSCH Retarder E-80 allows:

Dust free products with a complete filtration up to 150µm, health guard of operators.

Effective guarantee of activity of Retarder E due to pre-dispersed masterbatch.

Tack free products at room temperature, convenience and accuracy on ingredients.

Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion.

Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.

Wider compatibility with other elastomers.