

Sovchem[®] CTP Oiled Powder

Manufacturer: Sovereign Chemical Company

Classification: Scorch inhibitor

CA Nomenclature: N-cyclohexylthiophthalimide

Specification Properties	Value	Test Method
A-Chloro PVI, %	1.0 maximum	QA 5018-1
Active Substance Content, %	96 minimum	GC
Ash Content, %	0.1 maximum	ASTM D4574
Butyl Oleate, %	1.5 maximum	QA 5018-1
Heat Loss, % @ 70°C	0.5 maximum	ASTM D4571
Melting Point (Final), °C	90-94	ASTM D1519
Melting Point (Initial), °C	89-92	ASTM D1519
Residual Phthalimide, %	2.0 maximum	025 IKA
Toluene Insoluble, %	0.5 maximum	ASTM D1766
Typical Properties	Value	Test Method
Physical Form	Light tan crystalline powder	Visual
Specific Gravity	1.33	Typical

> APPLICATIONS

Uses: Sovchem[®] CTP Oiled Powder is a pre-vulcanization inhibitor that increases scorch time without effecting final vulcanizate properties. It inhibits scorch by acting as a MBT scavenger in sulfenamide and thiazole based cure systems. It is not as effective with dithiocarbamate and thiourea type accelerators. It is basically non-staining but may cause slight discoloration in white compounds.

Cure Effect: Even a small addition of Sovchem[®] CTP Oiled Powder (0.1 to 0.4 phr) to rubber compounds increases their processing safety significantly which allows for increases in processing speeds (extrusion, calendaring, etc.).

> PACKAGING AND STORAGE

Packaging: 25 kg (55.115 lb.) bags.

Shelf Life: 1 year from date of manufacture if stored as indicated below.

Storage: Store in unopened original packages in a cool dry place.

Specification Date: February 2, 2015 (Supersedes May 3, 2013)