

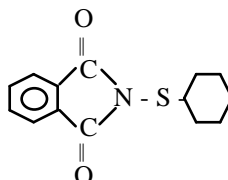
**SOVEREIGN CHEMICAL COMPANY**

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www.sovchem.net**Sovchem® CTP Oiled Powder****Manufacturer:** Sovereign Chemical Company**Classification:** Scorch inhibitor**Chemical Composition:**

Chemical Structure:



Empirical Formula: C₁₄H₁₅NO₂S
Molecular Weight: 261
CA Nomenclature: N-cyclohexylthiophthalimide

Physical Data

Specification Properties	Value	Test Method
Active substance (CTP) content	96.0% minimum	GC by mass
Melting Point (final)	89.0-94.0 °C maximum	ASTM D 1519
Heat Loss @ 60 °C	0.50% maximum	ASTM D 4571 by mass
Ash	0.1% maximum	ASTM D 4574 by mass
Toluene insolubles	0.5% maximum	ASTM D 1766 by mass
Impurity Peaks		
Butyl Oleate,	1.5% maximum	QA 5018-1
A-Chloro PVI,	1.0% maximum	QA 5018-1
Typical Properties		
Physical Form	Light tan crystalline powder	Visual
Specific gravity	1.33	Typical

Applications

Use: 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, calendering, etc.).

Packaging and Storage

Packaging: 20kg (44.1 lb) paper bags.

Shelf Life: 1 years if stored as indicated below.

Storage: Store in unopened original packaging in a cool, dry place.

Specification Date: November 13, 2008 (Supersedes December 21, 2006)