



## SOVEREIGN CHEMICAL COMPANY

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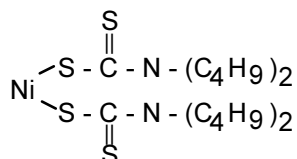
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# Sovchem® NDBC Oiled Powder

**Manufacturer** Sovereign Chemical Company  
**Classification** Dithiocarbamate antiozonant and antioxidant

### Chemical Composition

Chemical Structure:



Empirical Formula  $\text{C}_{18}\text{H}_{36}\text{N}_2\text{S}_4\text{Ni}$   
Molecular Weight 403 g  
CA Nomenclature Nickel, bis(dibutylcarbamodithioato-s-s')  
Synonym Nomenclature Nickel dibutyldithiocarbamate

### Physical Data

Specification Property	Value	Test Method
Melting Point (Initial), °C	86.0 Minimum	GB11409.1
Heat Loss, %	0.50 Maximum	GB11409.4
Sieve Residue, 150 $\mu$ , %	0.10 Maximum	GB11409.5-89
Sieve Residue, 63 $\mu$ , %	0.50 Maximum	GB11409.5-89
Assay, %	96.0 Minimum	
Nickel Content Range, %	11.8-12.8	SCC-118
Oil Content, %	2.0 Maximum	In Process

### Typical Properties

Physical Form	Olive Green oiled powder	Visual
Specific Gravity	1.30	Typical

### Applications

**Protection:** Sovchem® NDBC Coated is an antiozonant for SBR, BR, NBR, ECO and CR. It is used as an antioxidant and heat age resistor for CSM (chlorosulfonated polyethylenes) and EPDM. It is also used as a light stabilizer in polyethylene and polypropylene.

#### Polymers

Antiozonant in SBR, BR, NBR, ECO and CR.

Antioxidant in CSM and EPDM

Light stabilizer in polyethylene and polypropylene

Do not use with NR since it is a pro-oxidant with NR.

**Staining:** Very slightly staining.

**Cure Effect:** Activating on sulfur based cure systems.

### 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 place

Specification Date: June 29, 2015 (Supersedes: May 5, 2011)