

## NAUGARD<sup>®</sup> XL-1 metal deactivator

### Metal Deactivator/Phenolic Antioxidant

#### Description

NAUGARD<sup>®</sup> XL-1 metal deactivator is a unique antioxidant which incorporates a metal deactivation function in the same product. This product may be used where there is interference from metallic ions such as from residual polymer catalyst, inorganic pigments or mineral-filled polymers. It is also unique in that it is FDA regulated for use in most polymers. This material can be used in a wide variety of polyolefinic and polystyrenic resins.

#### Chemical Name

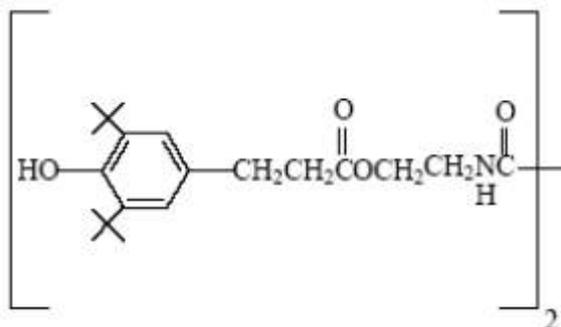
2,2'-Oxamidobis [ethyl-3-(3,5-di-t-butyl-4-hydroxyphenyl) propionate]

#### CAS-Number:

70331-94-1

#### Formula

NAUGARD<sup>®</sup> XL-1 metal deactivator



#### Typical physical properties of NAUGARD<sup>®</sup> XL-1 metal deactivator

Appearance	White to Off-White Powder
Specific Gravity @ 20°C	1.12
Color, Trans @ 425nm	98.0
Molecular Weight (g/mol)	697
Flash Point (TOC)	260°C
Melting Point Range	170 - 180°C

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### Solubility (g/100g solvent ) @ 20°C

Acetone	10	Styrene	2.0
Chloroform	35	Water	<0.1
Hexane	<0.1	Xylene	104
Methanol	1.6		

### Thermogravimetric Analyses (10 mg @ 10°C/minute under N<sub>2</sub>)

Weight Loss [%]	10	20	50
Temperature [°C]	326	338	356

### Features

- FDA regulated
- Dual functional antioxidant/metal de-activator
- Non-discoloring
- Synergistic with other antioxidants

### Storage and Handling

This product may be stored at least four (4) years in sealed containers. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat could decrease product shelf life. Containers should be kept sealed when not in use. Open drums should be used within one (1) year.

**For additional handling and toxicological information consult the Addivant<sup>TM</sup> Material Safety Data Sheet.**

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