NAUGARD™ XL-1 metal deactivator

Metal Deactivator/Phenolic Antioxidant

Description

NAUGARD™ XL-1 metal deactivator is a unique antioxidant which incorporates a metal de-activation 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. This material can be used in a wide variety of polyolefinic and polystryrenic resins.

Chemical Name

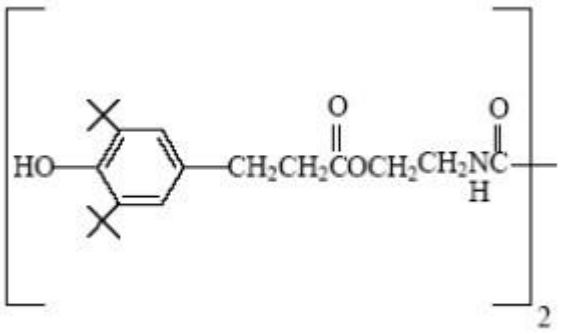
2,2'-Oxamidobis [ethyl-3-(3,5-di-t-butyl-4-hydroxyphenyl) propionate]

CAS-Number:

70331-94-1

Formula

NAUGARD™ XL-1 metal deactivator



Typical physical properties of NAUGARD™ 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_2)

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

Features

- 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 SI Group Material Safety Data Sheet.