

## NAUGARD<sup>®</sup> 445 stabilizer

### Solid Aromatic Amine Antioxidant

#### Description

NAUGARD<sup>®</sup> 445 stabilizer is a highly effective non-discoloring aromatic amine type antioxidant finding utility as a thermal stabilizer in a wide variety of applications, including polyolefins, styrenics, polyols, hot melt adhesives, lubricants and polyamides. Excellent performance at processing temperatures, and strong synergy with other types of antioxidants such as phenolics and phosphites, makes NAUGARD<sup>®</sup> 445 stabilizer an excellent choice as a stabilizer package component.

#### Chemical Name

4-(1-methyl-1-phenylethyl)N-[4-(1-methyl-1-phenylethyl)phenyl] aniline

#### CAS-Number:

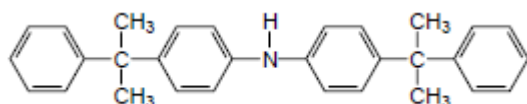
10081-67-1

#### EINECS-Number:

233-215-5

#### Formula

##### NAUGARD<sup>®</sup> 445 stabilizer



#### Typical physical properties of NAUGARD<sup>®</sup> 445 stabilizer

Appearance	White powder or granules
Molecular weight [g/mol]	406
Melting Point [ °C]	98-100
Colour – APHA	20
Specific Gravity at 55 °C	1.14
Flash Point [TCC/°C]	277

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### Solubility (g/100ml solvent)

Acetone	40.8	Cyclohexane	3.5
Heptane	0.7	Hexane	0.7
MEK	41.2	Methanol	0.7
Toluene	32.8	Water	Insoluble

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

TGA 5%	TGA 10%	TGA 50%
	305°C	346°C

### Product Features

- Synergistic
- High melting

### Storage and Handling

This product may be stored for at least three (3) years in sealed containers. Containers should be stored in 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. After a one (1) year period an Addivant<sup>™</sup> representative should be contacted before using the remaining material

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

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