

# NAUGARD™ PS30 stabilizer

## Polyol Stabilizer

### Description

**NAUGARD™ PS30 stabilizer** is a liquid amine antioxidant developed specifically for use in polyether polyols to reduce scorch associated with flexible urethane foam production. As a liquid, **NAUGARD™ PS30 stabilizer** can be easily blended into polyols at ambient temperatures in less time compared to conventional solid stabilization systems.

**NAUGARD™ PS30 stabilizer** is designed to be used in combination with phenolic and phosphite antioxidants to synergistically inhibit both physical and color scorch associated with flexible urethane foam production.

### Chemical Name

Butylated, Octylated Diphenylamine

### CAS Number

68411-46-1

### Typical physical properties of NAUGARD™ PS30 stabilizer

Appearance	Clear, reddish to brown liquid
Residual Diphenylamine (DPA)	0.05%
Viscosity, cSt @ 40 deg C	400
Gardner Color	2
Specific Gravity @ 25 deg C	0.98
Boiling Point	>200 deg C
Flash Point	180 deg C
Nitrogen Content	4.7%
Moisture	0.01%
Ash	0.01%

### Features

- Liquid physical form
- Very low residual DPA content
- Synergistic
- Cost effective

**Solubility**

Soluble in acetone, benzene, ethyl dichloride and most organic solvents. Insoluble in water.

**Volatility in Air**

Weight Loss %	Temperature (°C)
0	151
10	202
20	219
30	230
40	239
50	247
60	254
70	261
80	268

Heating rate = 10 deg C/minute

**Storage and Handling**

This product may be stored in excess of two years. Store in a dry location away from direct sources of heat and light. Prevent oxidation by maintaining a nitrogen atmosphere in the headspace of all containers.

Storage at cold temperatures may cause partial crystallization. To reliquify, heat the product to 40 deg C using gentle mixing and a nitrogen atmosphere in the headspace. Crystallization is a cosmetic occurrence and has no effect on the performance of the product. The reliquified product is a 100% active antioxidant as first produced.

**For additional handling and toxicological information please consult the SI Group Material Safety Data Sheet.**