

# Tiangang<sup>™</sup> HS-944

# Oligomeric Hindered Amine Light Stabilizer (HALS)

**Chemical name** 

 $Poly-\{[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-piperidinyl-1,4-diyl-4-diyl$ 

-1,6-hexanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]}

CAS number

70624-18-9

Structure

#### Description

HS-944 is a highly effective radical scavenger that protects organic polymers against degradation caused by exposure to ultraviolet radiation. It is an oligomeric HALS characterized by extremely low volatility, high thermal stability and excellent compatibility with many substrates. Its oligomeric structure makes it particularly effective when used in thin section articles such as fiber and film. HS-944 is suited for use in polypropylene, LDPE, HDPE, XPE, EVA and PP blends with elastomers. HS-944 is also effective as an antioxidant for long term thermal stability.

## **Typical properties**

	Appearance	Molecular weight	Specific gravity, g/ml@ 20°C	Softening range	Flash point °C	
HS-944FD	Pale yellow pastilles	2000~3100	1.01	100 ~ 135	> 160	
HS-944	Pale yellow powder	2000-0100		100 ~ 135		

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

HS-944	Acetone	Chloroform	Hexane	Benzene	Methyl chloride	Methanol	Water
	50	50	40	50	50	30	< 0.01

### Safety & handling

HS-944

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.

### Disclaimer

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