



Dongguan Baoxu Chemical Technology, Ltd.

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ANTIOXIDANT 1098 / IRGANOX 1098

Chemical name: N, N'-bis (3-(3,5-ditertbutyl-4-hydroxyphenyl) propionyl)hexanediamine

| | | |
|------------------|---|--|
| Formula | C ₄₀ H ₆₄ O ₄ N ₂ | |
| Molecular Weight | 637 | |
| CAS# | 23128-74-7 | |

Specification:

| | |
|-----------------------------|---------------------------------|
| Appearance | White |
| Ash | Max.0.10% |
| Melting point | 156-161°C |
| Volatilizing | Max.0.50% |
| | Acetone 2 |
| | Benzene 0.01 |
| | 80 % Caprolactam + 20 % Water 3 |
| Solubility | Chloroform 6 |
| (20°C) | Ethyl acetate 1 |
| | Hexane 0.01 |
| | Methanol 6 |
| | Water 0.01 |
| Assay, effective components | Min.98.0% |

Application: >Hindered phenolic antioxidant; non-discoloring stabilizer for organic substrates; excellent compatibility with polyamides and other substrates and low volatility.

>Antioxidant 1098 is especially suited for the stabilization of polyamide molded parts, fibers, and films. Its use is also recommended in other polymers such as polyacetals, polyesters, polyurethanes, adhesives, elastomers as well as other organic substrates.

>Suggested use concentrations for antioxidant 1098 in polyacetals,

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polyesters, polyurethanes, saturated and unsaturated rubbers range from 0.05 % –

0.5 % depending on the substrate and the stability required.

>Often used with DLTP for promoting the antioxidant effect

Handling and safety: Antioxidant 1098 exhibits a very low order of oral toxicity and does

not present any abnormal problems in its handling or general use. For

additional handling and toxicological information, please consult us for

Maternal Safety Data Sheet

Package:

Packed with plastic bag in composite plastic woven sack, Net 25kg/bag,

1000kg/pallet, 10pallet/20'FCL, or according to customers' requirements.

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