

# PowerNox™ MD1072 Antioxidant

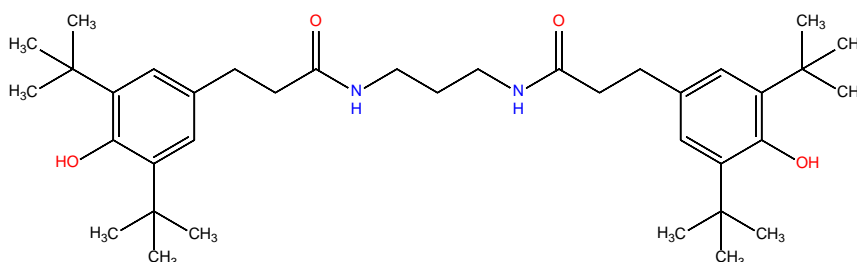
**Introduction** PowerNox™MD1072 is an odorless, highly efficient, sterically hindered phenolic primary antioxidant which provides processing and long-term thermal stabilization.

**Chemical Name** N,N'-propane-1,3-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]

**CAS Number** 69851-61-2

**EINECS Number** 274-157-0

**Chemical Structure**



**Chemical Formula**  $C_{37}H_{58}N_2O_4$

**Molecular Weight** 594.87

**Physical Properties**

Appearance	White Powder
Melting Point (°C )	Min.170
Flash Point (°C )	Min.200
Volatiles Content (%)	Max.0.5
Color of Solution 425nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Purity (%)	Min.98

## PowerNox™ MD1072 Antioxidant

### Solubility

Solubility [20°C]	% w/w
Chloroform	57
Methanol	0.6
Benzene	57
Cyclohexane	40
Acetone	19
Ethanol	1.5
Ethyl Acetate	38
n-hexane	32
Toluene	50
Water	<0.01

### Benefits & Applications

PowerNox™MD1072 is suitable for polyolefin, polyethylene, polypropylene, polyurethane, polybutene-1, styrene homo-&copolymers, engineering plastics and elastomers applications.

PowerNox™MD1072 offers light stability & excellent color retention. , and also protects the organic substrates against thermo-oxidative degradation.

PowerNox™MD1072 can be used in combination with other additives such as costabilizers (thioethers, phosphites, phosphonites), light stabilizers, and other functional stabilizers.

### Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

### Packing

PowerNox™MD1072 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg



## PowerNox™ MD1072 Antioxidant

Carton Box, and 50Kg Fiber Drum.

### **Note**

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

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