



GlobalVillage Sourcing, P. O. Box 600, Round Rock, TX 78680-0699

TECHNICAL DATA SHEET

GLOBAL SOL™ AOX 8

HINERED PHENOLIC ANTIOXIDANT FOR PLASTICS

Revision 7/9/09

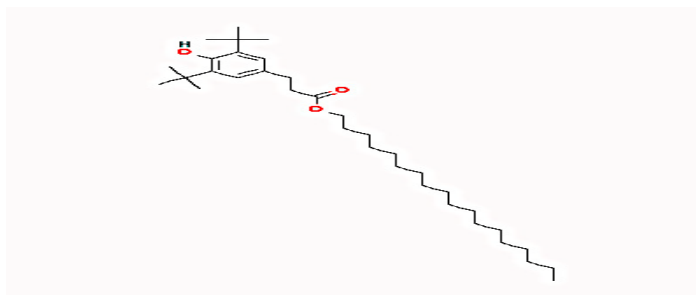
Characterization

GLOBAL SOL™ AOX 8 is an antioxidant belonging to the hindered phenol group.

Chemical Name OCTADECYL-3-(3,5-DI-TERT-BUTYL-4-HYDROXY-PHENYL)PROPIONATE

CAS Number 2082-79-3

Structure GLOBAL SOL™ AOX 8



Molecular Formula $C_{35}H_{62}O_3$

Molecular weight 531

Applications

Global Sol™ AOX 8 is mainly used in polyolefins and olefin co-polymers, such as polyethylene, polypropylene and polybutene copolymers. It can also be used in other polymers such as engineering plastics, styrene homo- and copolymers, elastomers and adhesives.



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Features

GLOBASOL™ AOX 8 provides significant advantages, such as

- Maintenance of original melt flow.
- Low color formation.
- Polymer stabilization during processing and imparts long-term thermal stability.

Additional performance improvements can be achieved in synergistic combinations with other Globasol™ additives like light stabilizers and UV absorbers.

Product Forms

Free flowing white powder

SPECIFICATIONS

MELTING POINT		50-55°C
VOLATILE MATTER		0.2% MAX.
COLOR OF SOLUTION	425nm	97% MIN.
TRANSMITTANCE	500nm	98% MIN.
ASSAY		99% MIN.
ASH CONTENT		0.1% MAX.
COLOR (APHA)		50 MAX.
SOLUTION CLARITY		Clear

Guidelines for Use

In polyolefins and co - polymers, the concentration levels for Globasol™ AOX 8 ranges typically between 0.1% and 0.30% depending on substrate and processing conditions. The optimum level is application specific.

Feature	Organo-tin free.
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Handling & Safety GLOBASOL™ AOX 8 requires no special safety measures provided the usual precautions for handling chemicals are observed. Avoid dust formation and Ignition sources.

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