

GENOX™ EP stabilizer

Antioxidant Amine Oxide

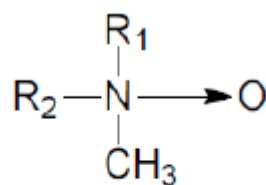
Description

GENOX™ EP stabilizer is a high performance solid, nitrogen-based melt process stabilizer.

Chemical Structure

Amines, bis (hydrogenated rape-oil alkyl) methyl, N-oxides

Empirical Formula: $(C_nH_{2n+1})_2-N(O)-CH_3$ where $n=14 - 24$ in general



$R_1, R_2 = C_{14}-C_{24}$ alkyl chains

CAS Reg Nr.

204933-93-7

Applications

Applications for **GENOX™ EP stabilizer** include polypropylene, polyethylene, and other polymers.

Features

- Cost effective high performance melt process stabilizer.
- Very effective without phenolic antioxidants.
- Excellent gas fading performance.
- Raw materials are derived from vegetable sources.

Typical physical properties of GENOX™ EP stabilizer

Appearance	Free-flowing white to off-white powder
Molecular weight (average)	613
Melt Point (Fisher Johns)	90°C min.
Assay	92% min.
Color (2g/50ml isopropyl alcohol solution)	80 APHA max.
Bulk density (aerate) 68°F / 20°C	0.54 - 0.56 g/cc

Regulatory Status

For details please contact SI Group Regulatory Affairs

Storage and Handling

Store the product in a cool, dry, well-ventilated area away from any direct sources of heat and light. Proper storage will permit usage of the product for up to 12 months.

Solubility (g/100g solvent) @ 77°F / 25°C

Acetone	Insoluble (<0.1)
Cyclohexane	Insoluble (<0.1)
Heptane	Insoluble (<0.1)
Isopropyl alcohol	3.0 g
Mineral oil (Mobil Vacuum 3A)	Insoluble (<0.1)
THF	Insoluble (<0.2)
Toluene	0.5 g
Water	Insoluble (<0.1)
Xylene	Insoluble (<0.2)

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