

Irganox[®] L57

Aminic Antioxidant

May 2021 | [Data Sheet EVO](#) | Supersedes March 2010 version

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® = registered trademark of BASF SE

Description Irganox[®] L57 is a liquid, octylated/butylated diphenylamine, antioxidant for lubricants and greases

Benefits and Features

- Stabilizes lubricants where extended service life is required
- Effectively controls lubricants viscosity increase due to oxidation
- Approved by FDA/USA for use in blending lubricants with incidental food contact
- Offers high nitrogen content reflected in high TBN
- Good seal compatibility
- Contains no diluents

Properties

Appearance Clear, slightly viscous, yellow to reddish-brown liquid

Physical and Chemical Data	Density at 20 °C	0.97 g/cm ³	ASTM D4052
	Viscosity at 40 °C	280 mm ² /s	ASTM D445
	Flash point	185 °C	ASTM D93
	Basic Nitrogen	4.5 %	

Quality Control The above-listed data represent average values at the time of going to press of this Technical Information. They are intended as a guide to facilitate handling and cannot be regarded as specified data. Specified product data are issued as a separate product specification.

Solubility	Mineral Group I	> 5 %
	Mineral Group II and III	10.0 %
	PAO	10.0 %
	PAG	5.0 %
	Ester Base Oil	> 5 %
	Water	< 0.01 %

Application

Typical treat rates

Industrial lubricants	0.1 – 0.5 %
Synthetic lubricants and greases	0.3 – 1.0 %
Engine lubricants	0.3 – 1.0 %

Restriction

Under light exposure Irganox® L57 and lubricants formulated with Irganox® L57 may turn darker in color upon prolonged storage. This has no effect on performance.

Storage and Handling

Please read Material Safety Data Sheet (MSDS) before handling.

Packaging

This information is available on request through our local representative.

Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product.

It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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North America

BASF Corporation
Fuel and Lubricant Solutions
NJ 07932
USA

South America

BASF S.A.
Fuel and Lubricant Solutions
04794 000 São Paulo
Brazil

Europe, Middle East, Africa

BASF SE
Fuel and Lubricant Solutions
67056 Ludwigshafen
Germany

Asia Pacific

BASF East Asia Regional HQ Ltd.
Fuel and Lubricant Solutions
45th floor Jardine House
Hong Kong