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Product Data Sheet - Coatings

Pigments & Additives Division

Hostavin 3050 liq

Edition 04.06.2009

HALS

Product-No.: 103419 **CAS-No.:** [85099-51-0], [85099-50-9] **Version:** 6

Product Description

Hostavin 3050 liquid is a low-molecular radical scavenger of the type hindered amine light stabilizer (HALS) for solventless paints. For solventborne systems we recommend its solutions which are Hostavin 3053 liquid or Hostavin 3063 liquid, instead. The latter can also be used in waterborne coatings.

Hostavin 3050 liquid is characterized by its excellent solubility, broad compatibility, extremely low volatility and migration stability. It can either be added to the ready-to-use paint or incorporated during the paint production. However, as all UV stabilizers, it ought not to be added to the mill-base. Depending on the requested stabilization effect, the addition rate should be in the range of 1.0 to 3.0 %. All concentrations relate to active UV stabilizer on solid resin. Pre-trials, covering various concentrations, are highly recommended.

As a non-substituted HALS, Hostavin 3050 liquid is slightly basic and because of this can have an influence on the crosslinking of binders. In such a case, the alternative use of Hostavin 3058 liquid is recommended.

Since HALS is highly recommended for all outdoor durable coatings, the need for an additional UV absorber strictly depends on the UV transmittance of the final coating. Inorganically pigmented coatings with good hiding power do usually not require an additional UV absorber, clear coats certainly do.

Delivery Specification and Technical Data

Characteristics	Unit	Target Value	Test Method
Appearance		high viscous oil to paraffin-like solid	QM-AA-634
HALS	%	max. 1.2	QM-AA-942
o-Xylene Content	%	max. 0.9	QM-AA-942
Iodine Color Number		max. 4	DIN 6162
C12/C14 Acrylate	%	max. 4.5	QM-AA-942

Delivery Form

Liquid
Tends sometimes towards crystallisation, which has no influence on efficiency.

Packaging

Steel drums
closed Top 60 L (50 kg)
pallet 400 kg (8 drums).

Main Applications

Coating Uses:

OEM
car refinish
coil coating
plastic coating
wood coating

Binder Systems:

2K-PU-acrylic or polyester
1K-PU-acrylic or polyester
acryl-MF and polyester-MF stoving enamel, low to medium solid
epoxy resins
alkyd resins

Storage

For best shelf life store this product at room temperature in well-aired locations.
Minimum shelf life is 5 years from the date of shipping when

Status under Food Legislation

Cannot be used in direct food contact application. The product fulfils the requirements of EU-Directive 94/62/EC and the CONEG legislation that means, the cumulative content of Cd, Pb, Hg and Cr

properly stored, in its original sealed containers.

(VI) does not exceed 100ppm.

Hazards

Labelling in accordance with GefStoffV/EC. Hazard warning labelling compulsory with:

symbol irritant (Xi)

R38

R51/53 (toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment)

symbol harmful to environment (N)

Ecological and Toxicological Properties

Acute dermal toxicity: LD50 > 2000 mg/kg (rat); Acute oral toxicity LD50: >5000 mg/kg (rat); Daphnia toxicity: LC50 : 132 mg/l (daphnia magna 24h); Fish toxicity LC50: 2 mg/l (cyprinus carpio 96h); For further information please refer to the material safety data sheet; Irritating to skin (rabbit); Not irritating to eyes (rabbit)

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