
Technical Information

TI/P 3190 e
July 1999 (PW)

Supersedes edition dated September 1996

Uvinul[®] 3088

® = Registered trademark of
BASF Aktiengesellschaft

UV absorber for thermoplastics and elastomers

Supplement for technical information texts

In Germany a new section (§ 15a) has been included in the second amendment to the German Chemical Law:

Sale of dangerous substances

"It is unlawful to sell or offer for sale a dangerous substance without indicating in accordance with § 3a Section 1 the dangers relating to the substance."

Substances given in this brochure that come under § 15a are marked with the numbers [1] – [15]. These numbers relate to the indications of danger given in § 3a of the German Chemical Law (see key below):

- [1] Explosive
- [2] Oxidizing
- [3] Extremely flammable
- [4] Highly flammable
- [5] Flammable
- [6] Very toxic
- [7] Toxic
- [8] Harmful
- [9] Corrosive
- [10] Irritant
- [11] Sensitizing
- [12] Carcinogenic
- [13] Toxic for reproduction
- [14] Mutagenic
- [15] Dangerous for the environment

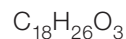
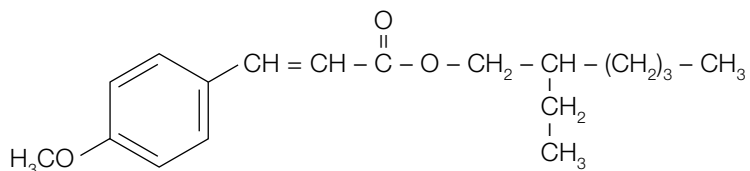
The following products given in this technical information are currently affected:

Uvinul 4050 H [10, 15]

Uvinul 3088

Nature

2-ethylhexyl-p-methoxycinnamate



Molecular mass

290.4

CAS no.

5466-77-3

Physical form

Clear, colourless, low-viscosity liquid

Odour

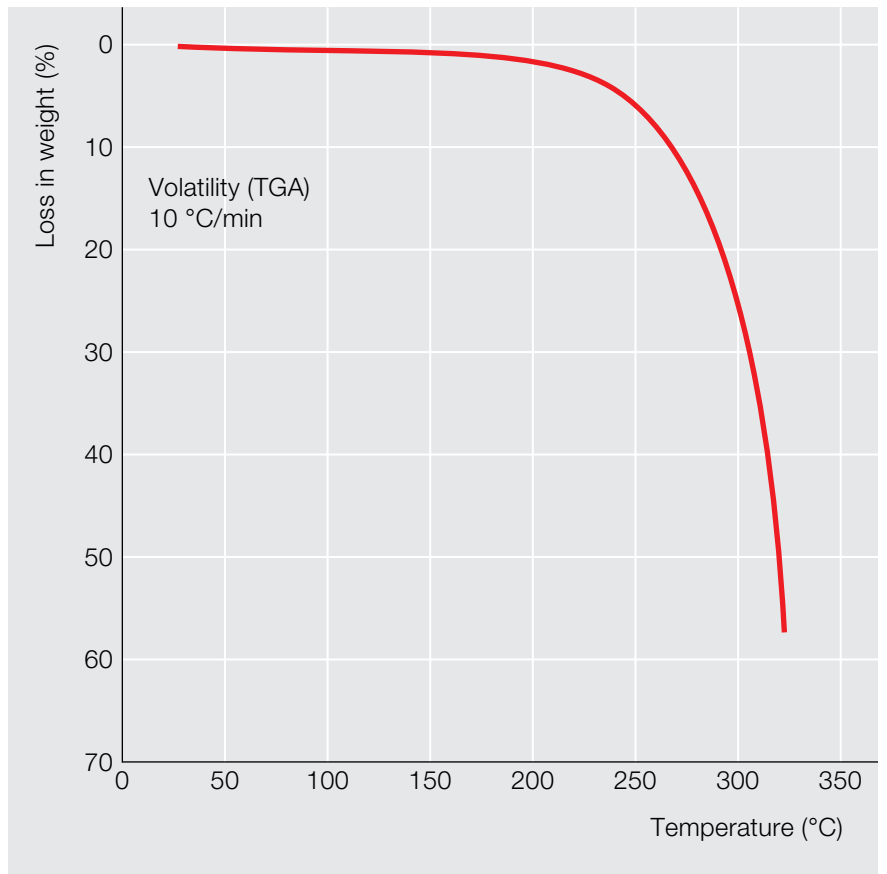
Practically odourless

Storage

The product has practically unlimited shelf life in the original, unopened containers at room temperature. Reseal container tightly after use.

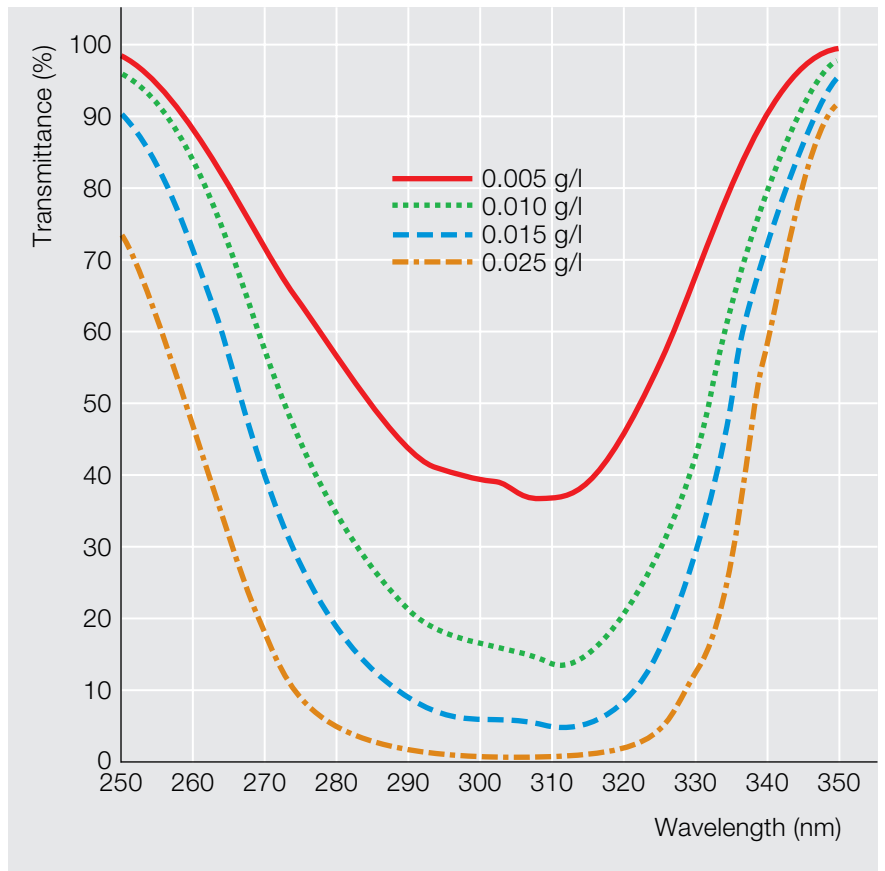
Properties

Content of active substance	100 %
Density at 25 °C	1.01 g/cm ³
Refractive index	1.545
Freezing point	< -25 °C
Heat stability	> 300 °C



Miscibility with solvents (1:1)

Acetone	miscible
Chloroform	miscible
Ethanol (96 %)	miscible
Ethyl acetate	miscible
Hexane	miscible
Isopropanol (99 %)	miscible
Methanol	miscible
Methyl ethyl ketone	miscible
Methyl isobutyl ketone	miscible
Polyols	miscible
Tetrahydrofuran	miscible
Toluene	miscible
Water	not miscible



Transmittance spectra (methanol, 1 cm cuvette)

Application

Uvinul 3088 is a UV absorber with very high absorption in the UV-B range between 290 and 320 nm. Maximum absorption occurs at 310 nm.

Uvinul 3088 is used in PUR foams and TPU.

Safety

BASF knows of no ill effects that could have resulted from using Uvinul 3088 for its intended purpose in accordance with sound manufacturing practice.

According to the experience we have gained over many years and other information at our disposal, Uvinul 3088 is not harmful to health, provided that it is used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheets are observed.

Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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