



Omnirad 81 Photoinitiator

Product Data Sheet

General Information

Omnirad 81 is a eutectic photoinitiator blend of benzophenone and 4-Methylbenzophenone. Omnirad 81 is liquid at room temperature and has excellent solubility characteristics. The high photochemical efficiency of Omnirad 81 makes it an ideal photo-catalyst for UV initiated formulations

Chemical Data

Chemical Name: Blend of Benzophenone derivatives
CAS No: 119-61-9 + 134-84-9

Specification

Appearance	Visual	Clear oily liquid
Purity	GC analysis	≥ 99.0 %
Specific Gravity @ 20 °C	Weight method	1.040 - 1.100 g/cm³
Viscosity	Brookfield at 20 °C	50 - 70 mPa.s

Additional Typical Properties

Eutectic Point: 5°C
Flash Point: > 100 °C
Solubility: Insoluble in water, soluble in organic solvents

Application

Omnirad 81 is a highly efficient photocatalyst for UV initiated systems. The product should be used in conjunction with hydrogen donor sources such as tertiary amines and amine acrylates.

Omnirad 81 is recommended for inks and coatings for paper/paperboard, wood, plastics and metals. The liquid form allows easy addition and can be used in most applications where benzophenone is utilized.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight.

Avoid storage below 13°C since product will freeze and separate. If freezing occurs, heat the product to 50°C while mixing to create a uniform product.

Avoid contact with alkaline additives and water. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

Omnirad 81 should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

Regulatory Status

All information can be found on MSDS (Material safety data sheet) and RIS (Regulatory Information Sheet) available upon request.

Packaging

Omnirad 81 is available in 200 Kg steel drums.

Disclaimer:

The information presented in this data sheet is given in good faith and is based on the material available to us at the time of writing. The information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for consideration, investigation and verification.

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