

Product Data Sheet

RH L-90

Product description

Cumyl hydroperoxide, 90% in aromatic solvent mixture

Molecular weight: 152.2;
CAS No: 80-15-9
UN: 3109

Thermal stability

Self-Accelerating Decomposition Temperature (SADT): 65°C

Major decomposition products

Acetophenone, 2-Phenylisopropanol, Methane

Specifications

Appearance: Clear liquid
Color: <200 Pt-Co max
Assay: 87.0-89.0%
Active Oxygen: 9.35-9.66%
Density, 20°C: 1.05-1.06 g/cm³
Viscosity, 20°C : 10.9mPa.s

Storage

Ts max. = 40°C and Ts min. = -30°C to prevent crystallization

When stored under these recommended storage conditions, RH L-90 will remain within the RH CHEM specifications for a period of at least three months after delivery

Packaging and transport

RH L-90 is typically packed in a 30 liter HDPE can for 25 kg peroxide and 200 kg steel drums of 180 kg net weight.

RH L-90 is classified as Organic peroxide type F; liquid, Division 5.2;

Safety and handling

Keep containers tightly closed. Never weigh out in the storage room.

Store and handle *RH L-90* in a dry well-ventilated place away from sources of heat or ignition and direct sunlight.

Avoid contact with reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers and metal soaps).

Please refer to the Material Safety Data Sheet (MSDS) for further information on the safe storage, use and handling of *RH L-90*.

Applications

RH L-90 may be used as Initiator for the (co)polymerization of styrene, butadiene, acrylonitrile, vinylacetate, acrylates and methacrylates. It can be used in emulsion, solution and bulk polymerizations.