

Perfect Radical Scavenger

Some aging processes are induced by radiation from sources like sunshine or temperature. As a result radicals occur which lead to degradation or destruction. By scavenging the radicals, the protected goods last longer and aging processes are suppressed. Allessan® RSM was developed for such applications and features a higher efficiency and lower toxicity compared to other materials. Applied in low concentrations, often below one per cent, Allessan® RSM is able to protect your products and your customers values for a long time.

As a side effect some colorless products such as lubricants turn to pastel with Allessan® RSM. This effect enables the visual identification of high performance material and minimizes the risk of mistakes by users. In addition, customers benefit from this opportunity to brand a high performance product by its color and make it unique.

AllessaChemie GmbH – Compounds of Success

AllessaChemie GmbH, based in Frankfurt-Fechenheim (Germany), is a competent and reliable production partner of organic intermediates and end products. The company was founded on July 1, 2001 by taking over the locations Frankfurt-Fechenheim, Offenbach and some units of the Frankfurt-Griesheim site from Clariant AG, which in turn had acquired the fine chemical business from Hoechst AG in 1997. AllessaChemie GmbH's product portfolio comprises a broad spectrum of intermediates which are used by the specialty chemicals industry. In addition, the company produces various specialty chemicals for final processing by the customer, which are specifically tailored to the customer's needs.



Allessan® RSM –
and Aging is no Issue



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Protect Your Values

Every year, aging materials cause trouble and destroy value. Coatings may embrittle, lubricants may decompose, paints may darken and the damage may even become higher when machinery is affected.

Therefore, AllessaChemie GmbH has developed a new and versatile anti-aging agent for various fields. In first customer applications Allessan® RSM showed high potential:

- **Lubricants** get stabilized against degradation at high temperature
- **Paints** last longer due to better UV resistance
- **Coatings** show improved temperature and radiation stability
- **Polymers** characteristics improve

Product Form and Characteristics

AllessaChemie GmbH offers Allessan® RSM in solution. A solid form is under development and may be available on request.

Shelf life: minimum 2 years if stored correctly

Solvent	Concentration Allessan® RSM (wt%)
NMP	20.0
DMF	20.0
THF	20.0
DME	20.0
Acetone	10.0
MTBE	2.0
Acetonitrile	2.0
Ethanol	2.0
Toluene	2.0
Methanol	1.0
i-Propanol	1.0
i-Butanol	1.0

Safety First

Allessan® RSM shows less handling risks compared to other anti-aging agents that are often hazardous chemicals or under suspect to cause cancer. Allessan® RSM has to be handled properly, but the material itself shows less risks for handling and environment:

R: 36/37/38-43

S: 26-36

Since Allessan® RSM is offered in solution, the handling requirements may be dominated by the requirements of the used solvent. It can be easy handled and also precisely dosed. Most anti-aging agents show higher hazardous potentials compared to Allessan® RSM. This is a part of our contribution to green chemistry and a safer planet.



In many applications aging is an expensive effect especially when machinery is affected.



Even in low concentrations Allessan® RSM stabilize coatings paints or polymers for a long time.



Allessan® RSM is delivered in solution. Risk and safety standards depend on the solvent.