

Improves light transmittance

Supplied as highly concentrated masterbatch

Higher resistance to agrochemicals

Increased lifespan

**UV-STABILIZER
GREENHOUSE FILMS**

Gabriel-Chemie has developed a new light stabilizer masterbatch

MAXITHEN HP7AB3970UVAO

using high quality UV-stabilizer based on BASF's NOR® HALS technology.

BRINGING LIFE *to plastics*

Welcome to the future of UV protection for greenhouse films! Gabriel-Chemie has been producing high quality European masterbatch since 1970. We believe in product quality, reliability and long-term partnerships with our customers, so if you are looking to upgrade your greenhouse film to the next generation, we are here to help!

Latest Generation NOR[®] HALS technology based high quality light stabilizer masterbatch for greenhouse films

- Based on NOR[®] HALS technology and a cost-effective solution**
- Combined with new generation bee-friendly boosted UV-Absorber**
- Superior resistance to agrochemicals and elemental Sulfur**
- Improved resistance to Chlorine: disinfection chemicals and bleach**
- Increase your film service life**



THE CHALLENGE

Are you facing one of these challenges?

The Nickel Quencher dilemma

You currently use a Nickel Quencher solution

- Nickel Quencher is coming under pressure for environmental reasons and you might have to switch to HALS sometime soon. You've heard that standard HALS and methylated HALS are not as resistant against some agrochemicals and are reluctant to switch**
- Your film has lower light transmittance and may reduce crop yield by up to 10%**
- Your film has a 2 year service-life and you would like to increase it**
- Chlorine and the Iron of your greenhouse frame often cause problems for Nickel Quencher film**

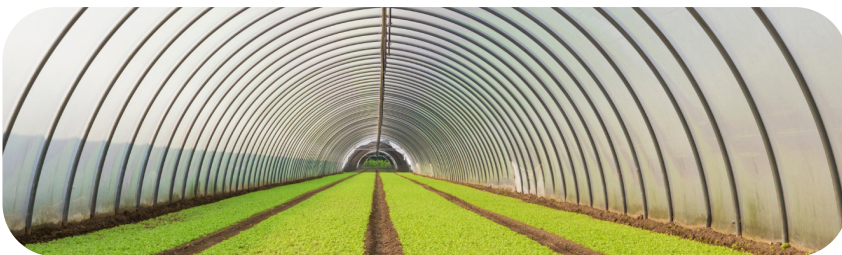
But on the other hand

- Nickel Quencher is affordable and robust**
- Your films have been dependable in the past and you trust Nickel Quencher**
- Nickel Quencher has a good resistance to Sulfur**

The Standard HALS dilemma

You currently use Standard HALS solutions (not NOR® HALS technology)

- The resistance of common standard HALS stabilized films is mostly limited to limited to 1500ppm Sulfur**
- You would like the benefits of NOR® HALS, but you assume it is not affordable**



If you want to know more about the new Gabriel-Chemie MAXITHEN HP7AB3970UVAO light stabilizer masterbatch, contact us and we will find the optimal solution for your application.

BRINGING LIFE
to plastics

THE SOLUTION!

Gabriel-Chemie has developed a new light stabilizer masterbatch

MAXITHEN HP7AB3970UVAO using high quality UV-Stabilizers based on BASF's NOR® HALS technology

MAXITHEN HP7AB3970UVAO offers the following **advantages**:

- **Film is transparent, improving light transmittance and commercial crop yield compared to Nickel Quencher**
- **Better environmental footprint and more future-proof than Nickel Quencher**
- **Higher Sulfur and Chlorine resistance compared to Standard HALS solutions**
- **Comparable Sulfur resistance to Nickel Quencher solutions**
- **Lower sensitivity to Iron than Nickel Quencher**
- **Life span up to 36 months (3 years), depending on the geographical area of application even more**
- **Lower dosage needed than common standard HALS means less transport and warehouse costs**
- **Total masterbatch cost per kg of film is comparable to common Standard HALS**
- **Bee-friendly solution with no interaction with bees and bumblebees**

Main application area in EAMA: Mediterranean Sea countries (South Europe, Northern Africa, Middle East, etc.)

