



The functional color company®

# ARALON® SY43

## ARALON® SY43

### in short:

- \* ARALON® SY43 has high purity and color brightness properties.
- \* Sufficient solubility in different oils allow its use as fluorescent oil marker.
- \* Possible use in marking cooling fluids
- \* High solubility in acetone (2% at 25 °C), MMA (3% at 25 °C) and ethyl acetate (2% at 25 °C). Solubility in DMF and some plasticizers goes up above 50% at 100 °C, Not soluble in water.
- \* Utilized in coloring cotton, wool, silk and leather.

**OIL & COOLING FLUIDS MARKING  
ENGINEERING PLASTIC  
MARKING & TRACING**

## Identification

Chemical Type	NAPHTHALIMIDE
Color Index N°	561930
Color Index name	Solvent Yellow 43
Shade	Bright greenish Yellow
Appearance	Yellow Powder
Molecular formula	C <sub>20</sub> H <sub>24</sub> N <sub>3</sub> O <sub>2</sub>
Molecular weight	324.2
Fluorescence max (0,005% in ethanol (excitation at 350 nm)	528 nm

## Registration

EINICS	242-828-7
CAS	19125-99-6
Regulatory Listing	TSCA, Australia, Canada, China, Korean and Philippines
REACH	PREREGISTERED

## Packaging

**Package = Minimal  
order**

1 box = 25 kg

Any given technical information is given on a purely informative basis. ARALON cannot give any warranty for a particular use.



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## About ARALON:

Today, ARALON – The NEW supplier of daylight fluorescent and functional pigments. Development, manufacturing and marketing of pigments for the paints & coatings (ARACO products), plastics (ARAPLAST), aerosols (ARASOL), and printing inks (ARAPRINT) industries only commenced in 2013 at its greenfield construction in 56412 Heiligenroth, Germany, half-way between Cologne and Frankfurt. ARALON's strengths are apparent in three key areas:

- State-of-the-art encapsulation technology coupled with modern and efficient manufacturing assets and lean operations capable of delivering best-in-class fluorescent pigments at competitive cost.
- Unique fluorescent ARAPLAST-melting pigments permitting coloration of thin olefin based films in single and multilayer packaging.
- Next generation ARAGEN-chemistry enabling unprecedented light stability of formaldehyde-free fluorescent pigments without compromising other performance attributes.

*ARALON wants to surprise with best-in-class products, innovations that matter and prices hard to ignore – TRY US!*

## ARALON, What is behind the name and the logo?

ARALON was created as a name for our company based on the ARA, which is kind of colorful parrot. The wonderful and bright colors of the parrot's feathers are the result of light refraction through nano-sized holes in the natural polymer structure of the parrot feathers. Depending on the hole size and the number of feather layers results in an unlimited number of bright and colorful shades of light, seen by our eyes as being the color of the feathers themselves.

This has, for our company, a relevance of many kinds. Initially the brightness and purity of the parrot's colors is similar, but often less when compared to the brightness and purity of our fluorescent colors. Further, the colors of the feathers were created in completely natural way, which is for our R&D development, an orientation for the future horizons of the company.

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