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## SARABID VAT

<b>Character</b>	Cationic levelling agent for vat dyestuffs, not lowering the interfacial tension
<b>Chemical character</b>	N-containing condensation product
<b>Appearance</b>	Brown, clear liquid
<b>Ionic character</b>	Cationic
<b>pH-value</b>	7.5 - 10.5
<b>Specific weight at 20 °C</b>	1.03
<b>Stabilities</b>	<p>SARABID VAT is perfectly stable to the usual amounts of alkali, salt and hard water.</p> <p>Applied at higher concentrations, it might cause precipitations with anionic products in slightly acid medium. For this reason, SARABID VAT should only be added after the alkali is in the dyebath.</p>
<b>Storage</b>	<p>The product is sensitive to frost to a limited extent; changes occurring at low temperatures disappear on warming and after thorough stirring.</p> <p>On proper storage in closed original containers, the product is stable for at least 12 months.</p>

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The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

### Properties

SARABID VAT is a foam-free levelling agent for vat dyestuffs. SARABID VAT does not lower the surface tension, it has no wetting, washing or protective colloid effect.

The product's most important properties are:

- Distinct levelling performance

SARABID VAT has a dyestuff affinitive character and will increase the levelling performance of the vat dyestuff. With the leuco-compounds of the vat dyestuffs SARABID VAT forms loose addition compounds by means of which the concentration of the dyestuff available to strike is reduced temporarily and thus a rapid and uneven distribution of the dyestuff onto the fibre is prevented.

- No retarding effect

Even at higher application amounts, SARABID VAT has no stronger retarding effect and, therefore, differences in colour intensity or in shade may be levelled out within the normal dyeing times without suffering a loss of dyestuff. A level shade and good dye penetration may even be obtained with the badly levelling Indathrene dyestuffs of the In-group - despite their high affinity for cellulose fibres.

- Prevention of oxidation stripes

An addition of SARABID VAT counteracts oxidation stripes which often appear when dyeing on the winch beck or on the jig.

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## Application technique

### Diluting instructions

After being diluted with cold water, SARABID VAT is added to the dyebath. The addition should be made after the addition of the alkali only.

If SARABID VAT is used in undiluted form, care should be taken that the product disperses immediately and thoroughly in the liquor so that the concentrated product does not get in direct contact with the goods.

### Application fields

SARABID VAT is suitable for dyeing cotton, rayon staple fibres, rayon and bast fibres with vat dyestuffs. It may be applied for the dyeing of flock, card slivers and yarns and also for piece dyeing on the jig, winch beck or jet.

Reediness of fabrics caused by differential twisting of yarns can also be levelled out.

### Application proposal

Depending on the liquor ratio, the material and the affinity of the dyestuffs, we recommend the following standard concentrations:

Liquor ratio: 1 : 30 - 1 : 15	0.5 - 1.5 g/l SARABID VAT
Liquor ratio: 1 : 15 - 1 : 8	1.0 - 2.0 g/l SARABID VAT
Liquor ratio: 1 : 8 - 1 : 3	2.0 - 5.0 g/l SARABID VAT

Higher application amounts certainly give a more level colour depth.

**To strip faulty batches** we recommend to use

3.0 - 5.0 g/l RETINOL M  
in blind vat.

Treatment temperature: 60 - 85 °C  
Treatment time: 45 - 60 min.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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