



## TECHNICAL DATA SHEET

### TO ASRN

A substitute to the conventional soda ash that aids in better dyeing and saves time and costs for the dyeing house.

#### ADVANTAGES:

- Better reproducibility of the dyeing by improved pH control.
- Far better dye yield.
- Reduced formation of hydrolysate.
- Avoidance of unevenness by an even absorption and fixation of dyestuffs.
- Can be readily washed off since it is free of silicate.
- APEO / NPEO free.
- Free of foaming.
- Not hygroscopic i.e. no change of product activity.

#### PROPERTIES :

**Appearance** : Clear colorless liquid  
**Base** : Inorganic buffer mixture  
**Solubility** : Readily soluble with cold & warm water  
**pH** : 12.0 (10% Soln.) {(+/-) 0.5}

#### APPLICATION:

TO ASRN is applied in dyeing of highly reactive and medium reactive dyestuff by exhaust method.

Highly Reactive Dyestuffs	Dyeing @ 40-45 Deg C
Medium Reactive Dyestuffs	Dyeing @ 50-70 Deg C

#### Guidelines for Application:-

TO ASRN (in ml / l)

For Light Shades	Dosage @ 1/10 <sup>th</sup> of Soda Ash
For Medium Shades	Dosage @ 1/10 <sup>th</sup> to 1/8 <sup>th</sup> of Soda Ash
For Darker Shades	Dosage @ 1/5 <sup>th</sup> to 1/7 <sup>th</sup> of Soda Ash



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The above dosages are indicative. Actual dosages may need to be finalized depending upon the result desired. A small quantity of soda ash along with TO ASRN must be added to the dye bath.

The following pH values must be reached:-

<u>Type of Dyestuffs</u>	<u>Final pH Value</u>
Highly Reactive Dyestuff	10.5
Medium Reactive Dyestuff	11.2
Black Brands	11.5



#### **HANDLING & SAFETY:**

**Storage** : To be kept away from direct exposure to sunlight  
**Safety** : Refer MSDS  
**Packing** : 50 Kg HDPE Carboys  
**Shelf Life** : Twelve Months from the date of manufacture

1

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<sup>1</sup> All information quoted above is based on our experience and actual know-how, but is given without guarantee and obligation. Recommendations on the applications and use of our products should be adapted to the particular user's conditions and other materials employed. Users are responsible for certification of use of their product and for complying with local legislation. Suggestions of use shall not be taken as inducements to infringe any patents or grant any license under a valid patent and are provided for illustrative purposes only.

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