

# ESKA® PLUS DN-SR

# ESKA<sup>®</sup>PLUS DN-SR FOR BETTER REPRODUCIBILITY

Generally, Exhaust Dyeing Process with Reactive Dyes uses Soda Ash as the alkali. However, science and technology experts relentlessly research on finding a substitute for Soda Ash. The main aim is to have a more Stable Alkali than Soda Ash for Reactive Exhaust Dyeing and at the same time giving a more Economical Cost. Recently they have a major discovery in ESKA PLUS DN-SR which is a Sodium Alkali effective as a substitute to Soda Ash for the fixation of Reactive Dyes in Exhaust Dyeing.

#### **FEATURES**

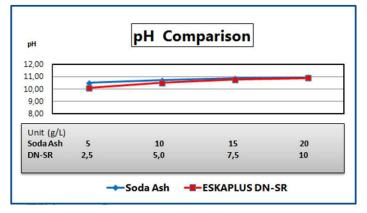
- 1. Better Reproducibility than Soda Ash in Reactive Exhaust Dyeing.
- 2. Gives on tone Exhaustion, Level Dyeing and Good Colour yield.
- 3. Cost saving in replacing Soda Ash.
- 4. Less Effluent Discharge which reduces the cost of water treatment.
- 5. Doest not impair Fastness Properties of the dyeing results.
- 6. Excellent Solubility which is much easier to dissolve than Soda Ash.
- 7. Eco-friendly.

#### PROPERTIES

- Appearance : White powder
- Ionic : Nonionic
- ✤ pH (1 %)
- Solubility
- : 10,70 + 0,5
- : Ready soluble in cold & hot water

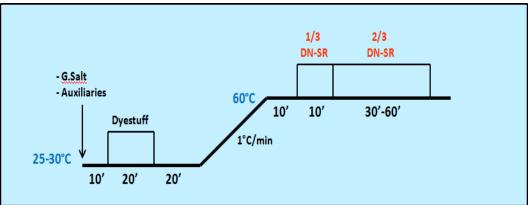
## pH Comparison ESKAPLUS DN-SR vs Soda Ash

Soda Ash		ESKAPLUS DN-SR			
g/L	pН	g/L	рН		
5	10,50	2,5	10,10		
10	10,72	5	10,52		
15	10,88	7,5	10,77		
20	10,95	10	10,90		

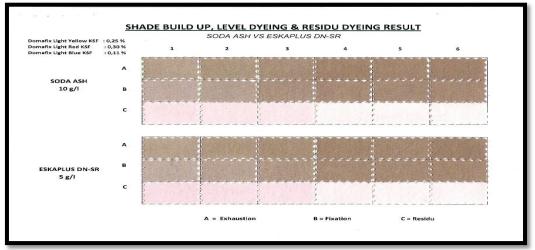


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#### **Application Method for Exhaust Dyeing**



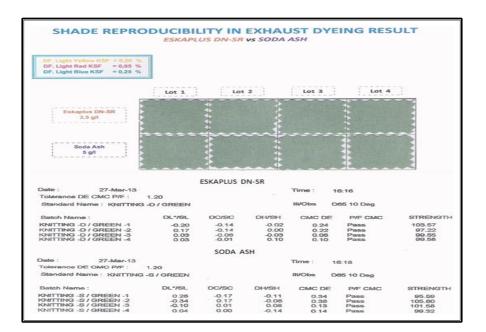
### Shade Dyeing & Residu Dyeing Result



DF. Light Yellow KSF = 0,190 % DF. Light Red KSF = 0,295 % DF. Light Blue KSF = 0,085 %						
	Lot 1	1	ot 2	Lot 3	Lot 4	
Eskaptus DN-SR 2.5 g/l						
Soda Ash 5 gil		****				
Date: 27-Mar-13		ESKAPLU	JS DN-SR	Time :	16:05	
					10.00	
Tolerance DE CMC P/F : 1	.20					
Tolerance DE CMC P/F : 1 Standard Name : KNITTING -				III/Obs I	D65 10 Deg	
		DC/SC	DH/SH	CMC DE		STRENGT
Standard Name : KNITTING -	D/BROWN	0.03 0.04 0.03 -0.17	DH/SH -0.11 -0.05 -0.01 0.30			STRENGT 102.18 104.64 103.44 95.54
Standard Name : KNITTING - Batch Name : KNITTING -D / BROWN-1 KNITTING -D / BROWN-3 KNITTING -D / BROWN-3	D / BROWN DL*/SL -0.12 -0.27 -0.20	0.03 0.04 0.03 -0.17	-0.11 -0.05 -0.01	CMC DE 0.17 0.27 0.21	P/F CMC Pass Pass Pass	102.18 104.64 103.44
Standard Name : KNITTING - Betch Name : KNITTING -D / BROWN-1 KNITTING -D / BROWN-2 KNITTING -D / BROWN-3 KNITTING -D / BROWN-4	D / BROWN DL*/SL -0.12 -0.27 -0.20	0.03 0.04 0.03 -0.17	-0.11 -0.05 -0.01 0.30	CMC DE 0.17 0.27 0.21 0.43	P/F CMC Pass Pass Pass	104.64
Standard Name : KNITTING - Eatob Name : KNITTING -0 / BROWN-1 KNITTING -0 / BROWN-2 KNITTING -0 / BROWN-3 KNITTING -0 / BROWN-4	D / BROWN DL*/SL -0.12 -0.27 -0.20	0.03 0.04 0.03 -0.17	-0.11 -0.05 -0.01 0.30	CMC DE 0.17 0.27 0.21 0.43	P/F CMC Pass Pass Pass Pass	102.18 104.64 105.44
Standard Name : KNITTING - Eatch Name : KNITTING -0 / BROWN-1 KNITTING -0 / BROWN-2 KNITTING -0 / BROWN-3 KNITTING -0 / BROWN-3 KNITTING -0 / BROWN-3 KNITTING -0 / BROWN-3 KNITTING -0 / BROWN-3	DL*/SL -0.12 -0.27 -0.26 -0.25	0.03 0.04 0.03 -0.17	-0.11 -0.05 -0.01 0.30	CMC DE 0.17 0.27 0.21 0.43	P/F CMC Pass Pass Pass Pass	102.18 104.64 105.44
Standard Name : KNITTING - Batch Name : KNITTING -D / BROWN-1 KNITTING -D / BROWN-3 KNITTING -D / BROWN-3 KNITTING -D / BROWN-4 Date : 27-Mar-13 Tolerance DE CMC P/F 1 Standard Name : KNITTING -3	DL*/SL -0.12 -0.27 -0.26 -0.25	0.03 0.04 0.03 -0.17	-0.11 -0.05 -0.01 0.30	CMC DE 0.17 0.27 0.21 0.43	P/F CMC Pass Pass Pass Pass	102.18 104.84 103.44 95.54
Standard Name : KNITTING - Betoh Name : KNITTING -D / BROWN-1 KNITTING -D / BROWN-3 KNITTING -D / BROWN-3 KNITTING -D / BROWN-4 Date : 27-Mar-13 Tolerance DE CMC P/F 1	D / BROWN DL*/SL -0.12 -0.27 -0.20 0.25 0.25	0.03 0.04 0.05 0.17 SODA	-0.11 -0.05 -0.01 0.30	CMC DE 0.17 0.27 0.21 0.43 Time :	P/F CMC Pass Pass Pass Pass Pass 16:01 005 10 Deg	102.18 104.64 103.44

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SHADE REPR			EXHAU vs soda		EING RES	ULT
DF. Light Yellow KSF = 0.15 % DF. Light Red KSF = 0.18 % DF. Light Blue KSF = 0.17 %						
	Lot 1	. La	t 2	Lot 3	Lot 4	
Eskaplus DN-SR 2,5 g/l						
Soda Ash 5 g/l		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~
Date : 27-Mar-13		ESKAPLUS	DN-SR	Time :	16:17	
Tolerance DE CMC P/F: 1.20						
Standard Name : KNITTING	-D/GREY			IIPOOS I	265 10 Deg	
Batch Name :	DL*/SL	DC/SC	DH/SH	CMC DE	P/F CMC	STRENGT
KNITTING -D / GREY -1 KNITTING -D / GREY -2 KNITTING -D / GREY -3 KNITTING -D / GREY -4	0.18 0.23 0.08 0.06	0.08 -0.01 0.07 0.08	0.06 0.29 0.21 0.09	0.19 0.37 0.24 0.14	Pass Pass Pass Pass	97.16 95.77 98.29 98.79
		SODA	ASH			
Date : 27-Mar-13				Time : 1	6:08	
Tolerance DE CMC P/F :	1.20					
Standard Name : KNITTING	-S/GREY			III/Obs D	65 10 Deg	
Batch Name :	DL*/SL	DC/SC	DH/SH	CMC DE	P/F CMC	STRENGTH
		0.01	-0.08	0.32	Pass	105.49



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