

Nezyme PK2

NEZYME PK2 IS A SPECIALLY DESIGNED, INDUSTRIAL USE HIGH ACTIVE CATALASE LIQUID PREPARATION INTENDED FOR USE IN THE DYEHOUSES TO NEUTRALIZE PEROXIDES IMMEDIATELY AFTER FABRICS SCOURING/SEMI-BLEACH PROCESS BEFORE DYEING WITH REACTIVE DYESTUFF.

THE USE OF **NEZYME PK2** AGAINST THE TRADITIONAL USE OF REDUCING CHEMICALS WILL RESULT IN:

- TIME SAVINGS
- COST SAVINGS
- ENERGY SAVINGS
- MINIMIZING WASTE WATER PROBLEMS

COMPARATIVE PROCESS; SCOURING BEFORE DYEING :

COTTON, CELLULOSIC MATERIALS SEMI-BLEACHED: 3~6 g/L H₂O₂ (50%), 2g/L, NaOH,
APPROXIMATE RESIDUAL PEROXIDE CONTENT IMMEDIATELY AFTER BEACH 800ppm ~1000ppm:-

TREATMENTS DONE BEFORE REACTIVE DYEING:-

1. BY CONTINUOUS RINSES	2. BY REDUCING CHEMICALS	3. BY NEZYME PK2 TREATMENT
A) RINSE # 1 (WARM), RESIDUAL PEROXIDES ^250ppm	A) RINSE # 1 (WARM), RESIDUAL PEROXIDES ^250ppm	A) RINSE # 1 (WARM), RESIDUAL PEROXIDES ^250 ppm
B) RINSE # 2 (WARM), RESIDUAL PEROXIDES ^70 ppm	B) RINSE # 2 (COLD), RESIDUAL PEROXIDES ^70 ppm	B) ADD ACETIC ACID, pH 6 - 8 (NEUTRAL), THEN ADD 0.01 – 0.02g/L DILUTED NEZYME PK2 , RUN 10 ~ 20 MINS. START DYEING.
C) RINSE # 3 (COLD), RESIDUAL PEROXIDES ^20ppm	C) ADD REDUCING CHEMICALS 40 x 15-20'	
D) RINSE # 4 (COLD), RESIDUAL PEROXIDES + / - 10 ppm	D) RINSE	
E) RINSE # 5 (COLD), RESIDUAL PEROXIDE +/- 5ppm	E) RINSE	
F) START DYEING	F) START DYEING	
5 RINSE BATHS	5 RINSE BATHS	1 RINSE BATH

The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

Nezyme PK2

THE CORRECT DOSAGE AND USE OF NEIZYME PK2 WILL COMPLETELY NEUTRALIZE HYDROGEN PEROXIDES IN THE WATER BATH WITHOUT THE USE OF HARMFUL AND UNSTABLE REDUCING CHEMICALS.

NEZYME PK2 DOES NOT STAIN FABRICS OR REACT WITH DYESTUFF. IT IS WATER BASED PRODUCT THAT HAS EXCELLENT BIO-DEGRADABILITY.

PHSICAL PROPERTIES:

APPEARANCE	: BROWN-GREENISH LIQUID
pH VALUE SOLUTION AT 20 °C	: 7 +/- 1
S.G.	: 1.1 +/- 0.1
ODOUR	: NEGLIGIBLE
SOLUBILITY	: TOTALLY SOLUBLE IN WATER

USERS' RECOMMENDATIONS:

- ✓ AFTER SCOURING/SEMI-BLEACH, WASH/RINSE GOODS ONCE WITH WARM WATER. DRAIN BATH.
- ✓ ADD ACETIC ACID, (+/-0.2g/L) NEUTRALIZE pH OF BATH TO BETWEEN 6-8, ADD DILUTED NEZYME PK2 (0.01-0.02g/L), RUN FOR 10-20 MINUTES. SAMPLE WATER FOR RESIDUAL PEROXIDES WITH INDICATOR DIP-STICK. ADD DYESTUFFS AND AUXILLIARIES, SALT, CONTINUE WITH NORMAL DYEING AND FINISHING PROCESSES.

- ✓ WORKABLE PH RANGE : 5 – 9
- ✓ OPTIMAL PH RANGE : 6 – 8
- ✓ WORKABLE TEMPERATURE RANGE : 25 °C – 70 °C
- ✓ OPTIMAL TEMPERATURE RANGE : 55 °C +/- 5 °C

PACKING : 50 KG CARBOYS

STORAGE : UNDER CLOSED CONDITION; AT 30 °C, STABILITY 6 MONTHS

TRANSPORT : PRODUCT IS NOT CLASSIFIED AS HAZARDOUS.

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Head Office Address: Plot No – 538, GIDC, Pandesara, Surat – 394221
Contact No. - +91 8306083020, +91 9377781836 || Website : www.nestorindustries.com