



McGreen (USA)
ORGANIC PRODUCTS



McGreen Minerals USA

KDONOL RCW

All in One Reduction Clearing Agent.

Properties :

Composition	:	Aq. Solution of sulphuric acid derivative.
Ionic Nature	:	Anionic.
Appearance	:	Clear yellowish liquid.
Viscosity	:	Free Flowing.(Approx. 1.37 g/cm cube at 23 degree)
pH	:	10-11.5 (as supplied at 23 degree Celsius)
Stability	:	Stable to hard water, acids, reductive bleaching agents, Peroxide under processing condition & caustic soda (70 gpl) at room temperature.
Storage Stability	:	Stable in hard water and alkalis. Do not mix the product Directly with acids; add the acid later in dyeing apparatus. Aqueous alkaline stock solutions of RCW are stable to the Air at room temperature for at least two days.
Compatibility	:	Compatible with anionic and non ionic products. Precipitation may occur with cationic auxiliaries or Dyes.
Solubility	:	RCW is freely miscible with water. It has no Unpleasant odour and is not spontaneously flammable.
Ecology	:	RCW is readily biodegradable/eliminable.

Salient Features :

- **RCW** has an excellent reductive effect in acidic dye baths during the cooling stage and is very good for removing unfixed disperse dyes from polyester , nylon, wool, natural silk, cellulose acetate and cellulosic fibers and for decolorizing the dye bath.
- **RCW** doesnot increase the tendency of PES to release oligomers.
- **RCW** is used to remove unfixed disperse dyes from freshly dyed polyester, polyamide, polyacrylonitrile, wool, silk and cellulosic fibers with blends containing alestane fibers. The suitability of the product must be verified in trials.

- **RCW** also destroys residual non – exhausted dye in the dye bath together with loosely attached dye on the fabric / fiber.
- **RCW** is highly effective in acid dye baths during the cooling stage. The pH value of the dye bath should not exceed 4.5 ; the product is more effective at lower pH values. When the reductive clearing agent has completely reacted, the pH value of the liquor is practically neutral.
- **RCW** can be used in all the usual dyeing machines. As it forms no foam and is stable in air. It can even be used in jet dyeing machines.
- As there is no need to add alkali to the dye bath or to the fresh clearing bath , or to acidify the polyester after alkaline treatment, less time, energy , water and chemicals are required and the waste water is much cleaner.
- The quantity of **RCW** required depends on the depth of the shade of the dyeing to be cleared and the pH value.

Methods of Application.

For PES, PAN and PES/PAN :

Add 0.5-2.0 g/l acetic acid

1.0-1.2 g/l **KDONOL RCW**(For Medium Dyeing)

1.2-2.0 g/l **KDONOL RCW** (For Deep Dyeing)

Clear for 10-20 mins at 70-80 degree celsius.

FOR Cellulose Acetate

Dyeing on cellulose acetate can also deductively cleared by the new process in the acid pH range , with less damage to the fibers.

Add 0.5g/l Acetic Acid

Add 2.0 g/l **KDONOL RCW**

Clear for 15 mins at 50-60 degree Celsius / rinse.

The goods must be thoroughly rinsed to remove the reducing agent before dyeing.

Storage

Under the proper conditions **KDONOL RCW** can be stored for up to 24 months in a closed container at temp. between 0-35 degree Celsius.

Safety

Do not bring into contact with strong oxidizing agents such as hydrogen peroxide, sodium chlorite, sodium hydrochloride.

Packing :

50 Kgs in Plastic carboys.

Technical Assistance :

For any further technical assistance regarding usage or product application please contact our technical service department at mcgreen.ldh@gmail.com

Call : 98140-22745

M/S KAMDHENU ORGANICS (INDIA) 98140-22745 , 98766-55665 (FORMULATOR)

OUR CLIENTS:-

M/S SAI CHEM:- 78889-95459 (LDH PB)

M/S UNITEXICA CHEMICALS:- 98283-61680 (BHILWARA- BHIWANDI MAHARASHTRA)

M/S KAMDHENU ORGANICS :- 84710-70811 (DELHI- NCR)

Mr. A T NAHAK :- 78945-26521 (ODISHA)

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