

FUJIFILM
PRODUCT INFORMATION BULLETIN

Universal C-41 & Pro6 Fixer Replenisher # 600005468

Universal C-41 & Pro6 Fixer Replenisher
FEATURES & USES

Fujifilm's Universal C-41 & Pro6 Fixer Replenisher is designed specifically for processing all types of color negative films compatible with process C-41 and color reversal films compatible with Process E-6.

Please refer to the mixing instructions specific to each process.

HEALTH & SAFETY

Please refer to Material Safety Data Sheets (MSDS) for specific chemical details. For emergencies, please contact CHEMTREC at 1-800-424-9300. Material Safety Data Sheets may be downloaded from <http://msds.arielresearch.com/fujifilmmsdsweb/>, from Fujifilm's web site or by calling Fujifilm's Chemical Technical Support Hotline at 1-800-526-0851, ext. 10.

OPERATING SPECIFICATIONS
FOR PROCESS C-41

Temperature	35° - 41° C (95° - 105° F)
Processing Time	C-41 = 4'20" to 6'30" C-41B = 4'00 to 4'20"
Starting Replenishment Rate (for roll of 135-24)	33 ml/roll; 30 ml/m

FOR PROCESS E-6

Temperature	33° - 39° C (92° - 103° F)	
Processing Time	4'00" Spec (6'00" Max.)	
Starting Replenishment Rate	per ft ²	100 ml
	per m ²	1076 ml
	per roll 135-24	42 ml
	per roll 120	54.7 ml
	per roll 220	109 ml
	per 4x5	13.9 ml

PH & SPECIFIC GRAVITY SPECIFICATIONS
FOR PROCESS C-41

N3	pH @ 25° C	SpG @ 20° C	SpG @ 38° C
N3-R Replenisher	6.40 ± 0.20	1.082 ± 0.010	1.075 ± 0.010
N3 Fresh Tank	6.40 ± 0.20	1.082 ± 0.010	1.075 ± 0.010
N3-1 Seasoned Tank	6.65 ± 0.20	1.084 ± 0.025	1.077 ± 0.025

FOR PROCESS E-6

Pro6	pH @ 25° C	SpG @ 25° C	SpG @ 37.8° C
Replenisher Tank	6.40 ± 0.20	1.037 ± 0.010	1.033 ± 0.010
Fresh Tank	6.40 ± 0.20	1.037 ± 0.010	1.033 ± 0.010
Seasoned Tank	6.45 ± 0.20	1.077 ± 0.025	1.010 ± 0.010

PHYSICAL INFORMATION

	Concentrate	Replenisher	Working Tank
	N3-R	N3-R	N3
Shelf Life Time	U = 18 Mo. O = 8 Wks	4 weeks	1 Week
Color	Clear, Colorless	Clear, Pale Yellow	Clear, Pale Yellow
Odor	Slight Sulfur	Slight Sulfur	Slight Sulfur

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CHEMICAL MIXING INFORMATION

FOR PROCESS C-41

REPLENISHER

N3-R	Water 95° - 105° F (35° - 41° C)	Concentrate
10 Liters	8.0 L	2.0 L (1 bottle)
1 Liter	800 ml	200 ml
1 Gallon	102.4 oz	25.6 oz

To Make 10 Liters of Replenisher:

1. Start with 7.5 liters of warm water.
2. Add 1 bottle of concentrate. Rinse bottle with 500 ml of water and add contents to mix tank. Mix using 20 strokes or until uniform.

WORKING TANK SOLUTION

N3	Water 95° - 105° F (35° - 41° C)	Concentrate
1 Liter	800 ml	200 ml
1 Gallon	102.4 oz	25.6 oz

FOR PROCESS E-6

REPLENISHER

Pro6	Water 68° - 86° F (20° - 30° C)	Concentrate
20 Liters	18.0 L	2.0 L (1 bottle)
1 Liter	900 ml	100 ml
1 Gallon	115.2 oz	12.8 oz

To Make 20 Liters of Replenisher:

1. Start with 17.5 liters of warm water.
2. Add 1 bottle of concentrate. Rinse each bottle with 500 ml of water and add contents to mix tank. Mix using 20 strokes or until uniform.

WORKING TANK SOLUTION

Pro6	Water 68° - 86° F (20° - 30° C)	Concentrate
1 Liter	900 ml	100 ml
1 Gallon	115.2 oz	12.8 oz