



NEG N1-R Developer Replenisher

For Processing C-41 and Compatible Color Negative Films

Catalog Number: 60005137 (2 x 12.5 G)

DESCRIPTION

This product is a Process C-41 film developer. The product is intended for use in all C-41 film processors having average to low processing volumes.

SAFE HANDLING INSTRUCTIONS

Please refer to Material Safety Data Sheets (MSDS) for specific chemical details. For emergencies, please contact CHEMTREC at 1-800-424-9300. You can obtain an MSDS by calling the Fujifilm Technical Hotline at 1-800-526-0851 Ext. 10.

HMS INFORMATION

Hazardous Materials Identification System. Please refer to Section 3 in the MSDS for further information.

	Concentrate			Replenisher	Working Tank
	A	B	C		
Health	1	2	3	1	1
Flammability	0	0	0	0	0
Reactivity	0	1	0	0	0
Personal Protection	C	C	C	C	C

SPECS & RECOMMENDATIONS

Temperature	37.8° ± 0.14° C 100° ± 0.25° F	
Processing Time	3'15"	
Starting Replenishment Rate	135-24	APS-25
	40 ml/roll	22.2 ml/roll
	36 ml/m	20.4 ml/m

SPECIFIC GRAVITY & pH

	pH @ 25° C	SpG @ 20° C	SpG @ 37.8° C
Replenisher Tank	10.13 ± 0.05	1.036 ± 0.003	1.030 ± 0.003
Fresh Tank	10.05 ± 0.05	1.034 ± 0.003	1.028 ± 0.003
Seasoned Tank	10.07 ± 0.05	1.039 ± 0.005	1.033 ± 0.005

MIXING INSTRUCTIONS – REPLENISHER

R	Water 95° – 105° F (35° – 41° C)	Concentrate		
		Part A	Part B	Part C
12.5 Gallons	11.25 G	1.0 G 1 Bottle	16 oz 1 Bottle	16 oz 1 Bottle
1 Liter	900 ml	80 ml	10 ml	10 ml
1 Gallon	115.2 oz	10.24 oz	1.28 oz	1.28 oz

To Mix 12.5 Gallons of Replenisher:

1. Start with 11.25 gallons of warm water.
2. Add 1 bottle Part A. Rinse bottle with small volume of water and add to mix tank. Mix 3 - 5 minutes.
3. Add 1 bottle Part B. Rinse bottle with small volume of water and add to mix tank. Mix 3 - 5 minutes.
4. Add 1 bottle Part C. Rinse bottle with small volume of water and add to mix tank. Mix 3 - 5 minutes or until uniform.

MIXING INSTRUCTIONS – WORKING TANK

W	Warm Water	Developer Starter (60005425)	Developer Replenisher
1 Liter	137.5 ml	12.5 ml	850 ml
1 Gallon	17.6 oz	1.6 oz	108.8 oz
Tank Volume			
YOUR TANK			

To calculate the amount of water, developer starter and developer replenisher that you will need, multiply your tank volume by each of the numbers listed, in either liters or gallons. For example, if you have a 10 liter tank, 10x137.5 ml = 1.375 liters of water, 10x12.5 ml = 125 ml of developer starter and 10x850 ml = 8.5 liters of developer replenisher.

1000 ml = 1 liter 128 oz = 1 gallon

SHELF LIFE

	Concentrate			Repl.	Working Tank
	Part A	Part B	Part C		
Time	U = 18 Months O = 8 Weeks	U = 18 Months O = 8 Weeks	U = 18 Months O = 4 Weeks	4 Weeks	2 Weeks
Color	Clear, Colorless	Clear, Colorless	Clear, Amber	Clear, Pale Yellow	Clear, Pale Yellow
Odor	No Odor	No Odor	Sulfur Dioxide	Slight Amine	Slight Amine

U = Unopened, O = Opened

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