

NEG N1-R Developer Replenisher

For Processing C-41 and Compatible Color Negative Films



Catalog Number: 600021524 (2 x 10 L)

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 Safety Data Sheets (SDS) for specific chemical details. For emergencies, please contact CHEMTREC at 1-800-424-9300. You can obtain an SDS on line at www.fujifilm.com/us/en/support/msds/search or by calling the Fujifilm EHS Hotline at 1-800-473-3854.

HMIS INFORMATION

Hazardous Materials Identification System. Please refer to Section 2 in the SDS 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	120
	40 ml/roll 36 ml/m	52 ml/roll 68 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
10 Liters	8.9 L	800 ml 1 Bottle	100 ml 1 Bottle	204 ml 1 Bottle
1 Liter	890 ml	80 ml	10 ml	20 ml
1 Gallon	113.87 oz	10.24 oz	1.28 oz	2.61 oz

To Mix 10 Liters of Replenisher:

1. Start with 8 Liters of warm water.
2. Add 1 bottle Part A. Rinse bottle with 700 ml of water and add to mix tank. Mix using 20 strokes.
3. Add 1 bottle Part B. Rinse bottle with 100 ml of water and add to mix tank. Mix using 20 strokes.
4. Add 1 bottle Part C. Rinse bottle with 204 ml of water and add to mix tank. Mix using 20 strokes or until uniform.

MIXING INSTRUCTIONS – WORKING TANK

W	Warm Water	Developer Starter (600021523)	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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HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

Health

- 4 Deadly
- 3 Extreme Danger
- 2 Hazardous
- 1 Slightly Hazardous
- 0 Normal Material

Flammability

- 4 Below 73° F
- 3 Below 100° F
- 2 Below 200° F
- 1 Above 200° F
- 0 Will Not Burn

Reactivity

- 4 May Detonate
- 3 Shock And Heat May Detonate
- 2 Violent Chemical Change
- 1 Unstable If Heated
- 0 Stable

Personal Protection

- A Safety Glasses
- B Safety Glasses And Gloves
- C Safety Glasses, Gloves And Apron
- D Face Shield, Gloves And Apron
- E Safety Glasses, Gloves And Dust Respirator
- F Safety Glasses, Gloves, Apron And Dust Respirator
- G Safety Glasses And Vapor Respirator