

FUJIFILM

PRODUCT INFORMATION BULLETIN

NEG LR N1-RA Developer Replenisher - 50G

NEG LR N1-RB/C Developer Replenisher - 2 x 50G

NEG LR N1-RA Developer Replenisher # 600005148
NEG LR N1-RB/C Developer Replenisher # 600005149

FEATURES & USES

NEG LR N1-R Developer Replenisher is a Process C-41 film developer. The product is intended for use in all C-41 film processors having average to high processing volumes.

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/fujifilmsdsweb/>, from Fujifilm's web site or by calling Fujifilm's Chemical Technical Support Hotline at 1-800-526-0851, ext. 10.

OPERATING SPECIFICATIONS

Temperature	37.8° ± 0.14° C (100° ± 0.25° F)
Processing Time	3'15"
Starting Replenishment Rate (for roll of 135-24)	20 ml/roll; 18ml/m

PH & SPECIFIC GRAVITY SPECIFICATIONS

N1	pH @ 25° C	SpG @ 20° C	SpG @ 37.8° C
N1-R Replenisher	10.17 ± 0.05	1.038 ± 0.003	1.035 ± 0.003
N1 Fresh Tank	10.07 ± 0.05	1.037 ± 0.003	1.031 ± 0.003
N1 Seasoned Tank	10.02 ± 0.05	1.041 ± 0.005	1.035 ± 0.005

CHEMICAL MIXING INFORMATION

REPLENISHER

N1-R	Water 95° - 105° F (35° - 41° C)	Concentrate		
		Part A	Part B	Part C
50 Gallons	44.9G	4.0G (1 Cube)	70.4 oz (1 Bottle)	70.4 oz (1 Bottle)
1 Liter	898 ml	80 ml	11 ml	11 ml
1 Gallon	114.9 oz	10.2 oz	1.4 oz	1.4 oz

To Mix 50 Gallons of Replenisher:

1. Start with 43.5 gallons of warm water.
2. Add 1 cube Part A. Rinse cube with small volume of water and add contents to mix tank. Mix 3-5 minutes.
3. Add 1 bottle Part B. Rinse bottle with small volume of water and add contents to mix tank. Mix 3-5 minutes.
4. Add 1 bottle Part C. Rinse bottle with small volume of water and add contents to mix tank. Mix 3-5 minutes or until uniform.

WORKING TANK SOLUTION

N1-W	Water 95° - 105° F (35° - 41° C)	Developer Starter (600005425)	Developer Replenisher
1 Liter	225 ml	25 ml	750 ml
1 Gallon	28.8 oz	3.2 oz	96 oz

PHYSICAL INFORMATION

	Concentrate			Repl.	Working Tank
	Part A	Part B	Part C		
Shelf Life Time	U = 24 mos O = 8 Wks	U = 18 mos O = 8 Wks	U = 18 mos O = 4 Wks	4 weeks	2 Weeks
Color	Clear, Colorless	Clear, Colorless	Clear, Amber	Clear, Pale Straw	Clear, Pale Straw
Odor	No Odor	No Odor	Sulfur	No Odor	No Odor

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