

MATERIAL SAFETY DATA SHEET

01 / 2023

SECTION 1 : SUBSTANCE IDENTIFICATION

Product Code: RN1

Product : Developer Replenisher

To process Color Films

Total Content : 2 X 5.0 Litres

Chemical Family: Chemical preparation for Photographic use.

HS Code : 37079010

SECTION 2 - CHEMICAL PROPERTIES

Ingredients Name	Developer Part-A CAS No.	Content
DTPA Powder	: 67-43-6	: 1 - 3%
Sodium Sulphite	: 7757-83-7	: 1 - 2%
Potassium Carbonate	: 584-08-7	: 35 - 40%
Potassium Bicarbonate	: 298-14-6	: 1 - 2%
Water	: 7732-18-5	: 53 - 62%

Ingredients Name	Developer Part-B CAS No.	Content
HAS	: 10039-54-0	: 25 - 27%
Water	: 7732-18-5	: 73 - 75%

Ingredients Name	Developer Part-C CAS No.	Content
Colour Developer - CD4	: 25646-77-9	48 - 50%
Sodium Sulphite	: 7757-83-7	1 - 2%
Water	: 7732-18-5	48 - 51%

SECTION 3 - PHYSICAL PROPERTIES

	Developer Part-A
Solubility in water	: 100%
Appearance	: Almost Colourless
Odour	: None
Specific Gravity	: 1.300 - 1.320

	Developer Part-B	Developer Part-C
Solubility in water	: 100%	: 100%
Appearance	: Colourless	: Amber coloured
Odour	: None	: None
Specific Gravity	: 1.140 - 1.150	: 1.165 - 1.175

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point: None

Extinguishing Media: Use method appropriate for surrounding fire.

SECTION 5 - HEALTH HAZARD DATA

Effects of Overexposure:

Inhalation: Low hazard for ordinary industrial handling.

Eyes: Vapour may cause irritation. Contact may cause burns.

Skin: Repeated and prolonged contact may cause irritation.

Ingestion: Do Not take internally. May be harmful if swallowed.

Single word: Warning



Hazard statements: Harmful if swallowed.

SECTION 6- FIRST AID MEASURE

Skin: No Hazard but skin can be wash with soap and water.

Eyes: Flush with large amount of water for 15 minutes. Seek medical attention.

Ingestion: Drink water to dilute and induce vomiting. Seek medical attention giving full details of amount ingested and toxicity.

Inhalation: No hazard

SECTION 7 - REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: None known

SECTION 8 - SPILL OR LEAK PROCEDURE

Steps to be taken in case Materials Released or spilled : Wear protective clothing. Flush to swear with large amounts of water.

SECTION 9 - HANDLING AND STORAGE

Handling:	Avoid inhalation of vapour Ensure adequate ventilation Avoid skin / eye contact Wear suitable protective clothing
Storage:	Store in tightly closed labelled containers store in cool, dry, well ventilated area.

SECTION 10 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: May not be necessary under normal conditions.

Protective Equipment:

Gloves : Impervious gloves.

Eyes : Wear protective goggles.

Other : As necessary to prevent skin contact. Eyewash facilities in vicinity of use.



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SECTION 11 - TOXICOLOGY INFORMATION

No toxicity data available for preparation
May be harmful if swallowed. Irritating to eyes / skin.
Irritation and redness at the site of skin contact.
None known

Health effect :

Acute Effects :

Chronic Effect :

SECTION 12 - ECOLOGICAL INFORMATION

No adverse environmental effects foreseen
Not expected to bioaccumulate
Not expected to persist in the environment
Ecotoxicity: No specific data available. Expected to be harmful to aquatic life

SECTION 13 - DISPOSAL CONSIDERATION

Disposal should be in accordance with local authority regulations.
Generally, dispose by dilution with very large amount of water i.e. minimum 1:20 ratio.

SECTION 14 - TRANSPORT INFORMATION

Not regulated.

The product is water based, aqueous homogeneous solution, packed in a leak proof plastic container / bottle / jar put in a transport worthy compact corrugated boxes.

SECTION 15 - REGULATORY INFORMATION

Not listed.

SECTION 16 - OTHER INFORMATION

The information's contained in this Material Safety Data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of the materials and the health and safety of employees and customers and the protection of the environment. This statement is incorporated as part of this Materials Safety Data