SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	3-7-90 Type S-2 Developer Replenisher-Concentrate - Part 1 Spectra - 2 Developer Replenisher - Concentrate - Part 1	262889-2 252987-2	262956-2
PRODUCT USE	Photographic Solution	HMIS SCALE: Health 1 Flamability 0 Reactivity 0 PPE C	
SUPPLIER	Merry X-Ray Corporation		
ADDRESS	8020 Tyler blvd., Mentor, OH 44060		
PHONE NO	(440)701-1200 EMERGENCY TEL #	CHEMTREC 800-424-9300	

SECTION 2 - Hazards Identification

Precautionary Statement.

	Classification
Oral: Harmful if swallowed	5
Skin: May cause mild skin irritation and/or allergic reaction.	1B
Eye: May cause eye irritation	2B

WARNING

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	60-70	Not listed	42.6gm/kg
Sodium metabisulfite	7681-57-4	5-10	NOIOSH TWA 5 mg/m3	2000 mg/kg
Hydroquinone	123-31-9	5-10	OSHA TWA 2 mg/m3	375 mg/kg
Potassium hydroxide	1310-58-3	2-6	NIOSH © 2mg/m3	365 mg/kg

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

Flamability YES [ ] NO [X] IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT (% BY VOLUME)	LOWER LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
Not appropriate	Not appropriate	Not appropriate	Not appropriate

HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
"See Hazardous Decomposition Products"	Not susceptable	Not susceptable

SECTION 6 - Accidental Release

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

SECTION 8 - Exposure Controls

VENTILLATION	Good general ventillation		
SKIN	Latex or nitrile	EYE: Splash goggles	RESPIRATORY Not normally required
OTHER	Eye wash station		

SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	ODOR & APPEARANCE			ODOR THRESHOLD
Liquid	Light yellow, odorless solution.			Not available
VAPOR PRESSURE (mm-Hg)	**VAPOR DENSITY (Air=1)**	**EVAPORATION RATE (Water=1)**	**BOILING POINT**	**FREEZING POINT**
<17 mm Hg	0.6 mm Hg	Not Available	> 212 F	< 32 F
pH	**SPECIFIC GRAVITY**	**SOLUBILITY IN WATER**	**COEFF WATER/OIL**	**%VOLATOILE (BY VOLUME)**
10.50	1.27	Complete	N/A	80-90% as water

SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY — YES [X] NO [ ] — IF NO, UNDER WHAT CONDITIONS

INCOMPATABLE WITH OTHER SUBSTANCES — YES [X] NO [ ] — IF YES, WHICH ONES? Strong oxidizing agent and strong acids.

REACTIVITY AND UNDER WHAT CONDITIONS: Stable under ambient pressure and temperature

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11 - Toxicological In formation

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	**REPRODUCTIVE TOXICITY**	**MUTAGENICITY**	**SYNERGISTIC PRODUCTS**
None Known	Not Known	None known	None known

SECTION 12 - Ecological Information

No Data Available

SECTION 13 - Disposal Considerations

Dispose of this product in accordance with federal, state and/or local laws.

SECTION 14 - Transportation Information

Not regulated for transportation.

SECTION 15 - Regulatory Information

SARA: Reportable quantity (RQ) for Hydroquinone 5000 lb, Potassium hydroxide 1000 lb
SARA Section 304, CERCLA Hazardous components - (None)
SARA Section 302,304,313 Hazardous components (None)
Not a controlled product under Canadian WHMIS regulations.

SECTION 16 - Other Information

The information contained in this SDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.

SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	3-7-90 Type S-2 Developer Replenisher - Concentrate - Part 2 Spectra - 2 Developer Replenisher -Concentrate - Part 2		262889-2 262956-2 252987-2
PRODUCT USE	Photographic Solution	HMIS SCALE: Health 1 Flamability 0 Reactivity 0	PPE C
SUPPLIER	Merry X-Ray Corporation		
ADDRESS	8020 Tyler blvd., Mentor, OH 44060		
PHONE NO	(440)701-1200 EMERGENCY TEL #	CHEMTREC 800-424-9300	

SECTION 2 - Hazards Identification

Precautionary Statement.	Classification
Oral: Harmful if swallowed	5
Skin: May cause mild skin irritation and/or allergic reaction.	1B
Eye: causes serious eye irritation	2A

WARNING

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	60-70	Not listed	42.6gm/kg
Gluteraldehyde bis-bisulfite	7420-89-5	20-40	Not listed	N/A

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

Flamability YES [ ] NO [X] IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT (% BY VOLUME)	LOWER LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
Not appropriate	Not appropriate	Not appropriate	Not appropriate

HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
"See Hazardous Decomposition Products"	Not susceptable	Not susceptable

SECTION 6 - Accidental Release

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

SECTION 8 - Exposure Controls

VENTILLATION: Good general ventillation
SKIN: Latex or nitrile
EYE: Splash goggles
RESPIRATORY: Not normally required
OTHER: Eye wash station

SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	ODOR & APPEARANCE			ODOR THRESHOLD
Liquid	Light yellow, odorless solution.			Not available
VAPOR PRESSURE (mm-Hg)	**VAPOR DENSITY (Air=1)**	**EVAPORATION RATE (Water=1)**	**BOILING POINT**	**FREEZING POINT**
<17 mm Hg	0.6 mm Hg	Not Available	> 212 F	< 32 F
pH	**SPECIFIC GRAVITY**	**SOLUBILITY IN WATER**	**COEFF WATER/OIL**	**%VOLATOILE (BY VOLUME)**
2.90	1.075	Complete	N/A	80-90% as water

SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY — YES [X] NO [ ] — IF NO, UNDER WHAT CONDITIONS

INCOMPATABLE WITH OTHER SUBSTANCES — YES [X] NO [ ] — IF YES, WHICH ONES? Strong oxidizing agent and strong acids.

REACTIVITY AND UNDER WHAT CONDITIONS: Stable under ambient pressure and temperature

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11 - Toxicological In formation

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	**REPRODUCTIVE TOXICITY**	**MUTAGENICITY**	**SYNERGISTIC PRODUCTS**
None Known	Not Known	None known	None known

SECTION 12 - Ecological Information

No Data Available

SECTION 13 - Disposal Considerations

Dispose of this product in accordance with federal, state and/or local laws.

SECTION 14 - Transportation Information

Not regulated for transportation.

SECTION 15 - Regulatory Information

SARA Section 304, CERCLA Hazardous components - (None)
SARA Section 302,304,313 Hazardous components (None)
Not a controlled product under Canadian WHMIS regulations.

SECTION 16 - Other Information

The information contained in this SDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.

SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	3-7-90 Type S-2 Developer Repl. - Working Strength Spectra - 2 Developer Replenisher - Working Strength	CAT No.:	262889-2 262956-2 252987-2
PRODUCT USE	Photographic Solution	HMIS SCALE:	Health 1 Flamability 0 Reactivity 0 PPE C
SUPPLIER	Merry X-Ray Corporation		
ADDRESS	8020 Tyler blvd., Mentor, OH 44060		
PHONE NO	(440)701-1200 EMERGENCY TEL #		CHEMTREC 800-424-9300

SECTION 2 - Hazards Identification

Precautionary Statement.	Classification	
Oral: Harmful if swallowed	5	WARNING
Skin: May cause mild skin irritation or reaction.	5	
Eye: May cause eye irritation	2B	

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	75-85	Not listed	42.6gm/kg
Sodium metabisulfite	7681-57-4	< 3	NOIOSH TWA 5 mg/m3	2000 mg/kg
Hydroquinone	123-31-9	< 2	OSHA TWA 2 mg/m3	375 mg/kg
Potassium hydroxide	1310-58-3	< 2	NIOSH © 2mg/m3	365 mg/kg

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

Flamability YES [ ] NO [X] IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT (% BY VOLUME)	LOWER LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
Not appropriate	Not appropriate	Not appropriate	Not appropriate

HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
"See Hazardous Decomposition Products"	Not susceptable	Not susceptable

SECTION 6 - Accidental Release

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

SECTION 8 - Exposure Controls

VENTILLATION	Good general ventillation		
SKIN	Latex or nitrile	EYE: Splash goggles	RESPIRATORY Not normally required
OTHER	Eye wash station		

SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	ODOR & APPEARANCE			ODOR THRESHOLD
Liquid	Light yellow, odorless solution.			Not available
VAPOR PRESSURE (mm-Hg)	**VAPOR DENSITY (Air=1)**	**EVAPORATION RATE (Water=1)**	**BOILING POINT**	**FREEZING POINT**
<17 mm Hg	0.6 mm Hg	Not Available	> 212 F	< 32 F
pH	**SPECIFIC GRAVITY**	**SOLUBILITY IN WATER**	**COEFF WATER/OIL**	**%VOLATOILE (BY VOLUME)**
10.50	1.08	Complete	N/A	80-90% as water

SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY — YES [X] NO [ ] — IF NO, UNDER WHAT CONDITIONS

INCOMPATABLE WITH OTHER SUBSTANCES — YES [X] NO [ ] — IF YES, WHICH ONES? Strong oxidizing agent and strong acids.

REACTIVITY AND UNDER WHAT CONDITIONS: Stable under ambient pressure and temperature

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11 - Toxicological In formation

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	**REPRODUCTIVE TOXICITY**	**MUTAGENICITY**	**SYNERGISTIC PRODUCTS**
None Known	Not Known	None known	None known

SECTION 12 - Ecological Information

No Data Available

SECTION 13 - Disposal Considerations

Dispose of this product in accordance with federal, state and/or local laws.

SECTION 14 - Transportation Information

Not regulated for transportation.

SECTION 15 - Regulatory Information

SARA: Reportable quantity (RQ) for Hydroquinone 5000 lb, Potassium hydroxide 1000 lb
SARA Section 304, CERCLA Hazardous components - (None)
SARA Section 302,304,313 Hazardous components (None)
Not a controlled product under Canadian WHMIS regulations.

SECTION 16 - Other Information

The information contained in this SDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.