MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME T2 ESC Developer Systems Cleaner, Part 1

PRODUCT USE	Photographic solution		HMIS SCAL	E HEALTH	FLAMMABILITY	0 REACTIVITY	0 PPE	c
SUPPLIER	White Mountain Imaging			CATALOG # 4902EC				
ADDRESS	PO Box 216 Salisbury NH 032	68						
PHONE NO.	603-648-2124 EMERGENCY TEL #	CHEMTREC 800	-424-9300					
	SECTION 2 - Prod	uct and Haz	zardous	Ingredie	nts Inform	nation		
Н	AZARDOUS INGREDIENTS	CAS NUMBER	W/W %		xposure Limit	LD50	LC50	
Water		7732-18-5	95-99	not listed		42.6 gm/kg	not avai	 lable
Potassium	permanganate	7722-64-7	2-4	OSHA C 5	mg(Mn)m3	1090 mg/kg	not avai	lable
	SECT	ION 3 - Haz	zards Id	entificat	ion			

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of vapors from dilute solutions may be mildly irritating.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT None known

SECTION 4 - First Aid Measures

skin contact

Rinse with ESC diltuted neutralizer & wash exposed skin with soap and water. If irritation persists seek medical advice.

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

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

LAMMABILITY	YES		NO	x	IF YES, UNDER WHAT CONDITIONS
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MEANS OF EXTINCTION

As needed to extinguish adjacent fire source.

FLASHPOINT (°C) AND METHOD	UPPER FLAMMABLE LIMIT (% BY VOLUME)	LOWER FLAMMAB	le limit (% by volume)	AUTOIGNITION TEMPERATURE (°C)
Not appropriate	Not appropriate	Not ap	propriate	Not appropriate
HAZARDOUS COMBUSTION PRODUCTS		EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
See "Hazardous De	Not s	usceptible	Not susceptible	

SECTION 6 - Accidental Release

Neutralize with diltuted ESC Neutralizer Rinse or sodium sulfite. When neutralization is complete the solution will be white. 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 splash goggles, impervious gloves and apron.

SECTION 7 - Handling and Storage

Read and follow the label, material 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.

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME T2 ESC Developer Systems Cleaner, Neutralizer

PRODUCT USE	Photographic solution		HMIS SCAI	E HEALTH 1	FLAMMABILITY	0 REACTIVITY	0 PPE C
SUPPLIER	White Mountain Imaging			CATALOG # 4902EC			
ADDRESS	PO Box 216 Salisbury NH ()3268					
PHONE NO.	603-648-2124 EMERGENCY TE	L # CHEMTREC 800	-424-9300				
	SECTION 2 - Pro	oduct and Haz	zardous	Ingredie	nts Inforr	nation	
н	AZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Ex	posure Limit	LD50	LC50
Water Sodium su	lfite	7732-18-5 7757-83-7	95-99 10-25	not listed not listed		42.6 gm/kg 2825 mg/kg	not available not available
	SEC	CTION 3 - Haz	zards Id	entificati	on		

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause burning or irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of vapors may be irritating and cause headaches

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT None known

SECTION 4 - First Aid Measures

skin contact

Wash exposed skin thoroughly with cold or ambient water. If irritation persists seek medical advice.

EYE CONTACT

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

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES NO X IF YES, UNDER WHAT CONDITIONS

MEANS OF EXTINCTION

As needed to extinguish adjacent fire source.

FLASHPOINT (°C) AND METHOD UPPER FLAMMABLE LIMIT (% BY VOLUME)		LOWER FLAMMAB	BLE LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (°C)
Not appropriate	Not appropriate	Not appropriate		Not appropriate
HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE	
See "Hazardous De	Not susceptible		Not susceptible	
	,	·	· · · · · · · · · · · · · · · · · · ·	

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, material 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.

T2 ESC Developer Systems Cleaner, Neutralizer

		SEC	CTION 8 - Expos	ure Controls	
VENTIATION	Good general ve	entilation.			
skin	Latex or nitrile	EYE Spl	ash goggles	respiratory Not norn	nally required
OTHER	Eye wash station	1			
		SECTION 9	9 - Physical and	Chemical Prope	rties
PHYSICAL S	TATE	ODOR AND APPEARANCE	!		ODOR THRESHOLD
	Liquid	Clear white liquid			Not available
VAPOUR PI	RESSURE (mmHg)	VAPOUR DENSITY (Air = 1)	EVAPORATION RATE (Water = 1)	BOILING POINT	FREEZING POINT
<	17 mm Hg	0.6 mm Hg	Not available	> 212°F	< 32°F
рН		SPECIFIC GRAVITY	SOLUBILITY IN WATER (20°C)	COEFF WATER OIL	PERCENT VOLATILE (BY VOLUME)
	7.0	1.110	Complete	Not available	85%
		SECTION	10 - Stability ar	nd Reactivity Da	ita
CHEMICAL S	TABILITY YES X NO	IF NO, UNDER WHAT	conditions ing agents, strong acids		
NCOMPATI	BILITY WITH OTHER SUBSTAN		<u> </u>		
	YES X NO				
REACTIVITY	, AND UNDER WHAT CONDI	TIONS Stable under	ambient pressure and te	emperature	
			•		
ΠΑΖΑΚΟΟΙ	JS DECOMPOSITION PRODU	Sulfur dioxide	e		
		SECTION 1	1 - Toxicologica	I Information	
	EXPOSURE LIMITS	IRRIT	ANCY OF PRODUCT	SENSITIZATION TO PRODU	CT CARCINOGENICITY
Sulf	uric acid 1.0 mg/m	3 S	kin: Irritant	None known	Not listed by IARC
					OSHA or ACGIH.
	TERATOGENICITY	REPR	ODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
	Not known	1	Not known Not known		Not known
		SECTION	<u>10 Галіанія</u>		
		SECTION	12 - Ecological I	nformation	
No dat	a 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: TPQ for sodium sulfite is 5000 lb SARA Section 304, CERCLA Hazardous components 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 MSDS 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.

PREPARED BY White Mountain Imaging

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME T2 ESC Developer Systems Cleaner, Part 2

PRODUCT USE	Photographic solution		HMIS SCAL	le _{health} 1	FLAMMABILITY	0 REACTIVITY	O PPE C
SUPPLIER	White Mountain Imaging			CATALOG # 4902EC			
ADDRESS	PO Box 216 Salisbury NH 032	68					
PHONE NO.	603-648-2124 EMERGENCY TEL #	CHEMTREC 800	-424-9300	1			
	SECTION 2 - Proc	luct and Haz	zardous	Ingredie	nts Infori	nation	
н	IAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible E	xposure Limit	LD50	LC50
Water		7732-18-5	95-99	not listed		42.6 gm/kg	not available
Sulfuric ac	id	7664-93-9	2-4	OSHA TW/	A 1 mg/m3	2140 mg/kg	5.1 g/m³ 2h
				 . • <u>~</u> • . •	•		
	SECI	'ION 3 - Haz	zards Id	entificati	ion		

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause burning or irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of vapors may be irritating and cause headaches

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT Dermatitis

SECTION 4 - First Aid Measures

skin contact

Rinse with diluted ESC Neutralizer and wash exposed skin with soap and water. If irritation persists seek medical advice.

Flush eyes with water for 15 minutes. Seek medical advice immediately

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES	NO	х	IF
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IF YES, UNDER WHAT CONDITIONS

MEANS OF EXTINCTION

As needed to extinguish adjacent fire source.

FLASHPOINT (°C) AND METHOD	UPPER FLAMMABLE LIMIT (% BY VOLUME)	LOWER FLAMMAB	LE LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (°C)
Not appropriate Not appropriate		Not ap	propriate	Not appropriate
HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE	
See "Hazardous Decomposition Products".		Not susceptible		Not susceptible

SECTION 6 - Accidental Release

Neutralize with ESC Neutralizer Rinse or sodium sulfite. When neutralization is complete the solution will be white. 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 splash goggles, impervious gloves and apron.

SECTION 7 - Handling and Storage

Read and follow the label, material 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.

T2 ESC Developer Systems Cleaner, Part 2

		SEC	CTION 8 - Exposi	re Controls					
VENTIATION	Good general ve	entilation.							
skin	Latex or nitrile	_{EYE} Spla	ash goggles	respiratory Not norm	nally required				
OTHER	Eye wash station								
		SECTION 9) - Physical and (Chemical Prope	rties				
PHYSICAL STA	ATE	ODOR AND APPEARANCE	<i>[</i>	<u> </u>	ODOR THRESHOLD				
	Liquid	Clear white liquid			Not available				
VAPOUR PRE	SSURE (mmHg)	VAPOUR DENSITY (Air = 1)	EVAPORATION RATE (Water = 1)	BOILING POINT	FREEZING POINT				
< 1	17 mm Hg	0.6 mm Hg	Not available	> 212°F	< 32°F				
рН	0	SPECIFIC GRAVITY	SOLUBILITY IN WATER (20°C)	COEFF WATER OIL	PERCENT VOLATILE (BY VOLUME)				
	2.50	1.055	Complete	Not available	85%				
		SECTION	10 - Stability an	d Reactivity Da	nta				
CHEMICAL ST	ABILITY YES X NO	IF NO, UNDER WHAT O Strong reduci	conditions ing agents, strong bases.						
INCOMPATIBI	LITY WITH OTHER SUBSTAN		0 0 0						
١	YES X NO								
REACTIVITY, A	ND UNDER WHAT CONDI	TIONS Stable under	ambient pressure and te	mnerature					
	DECOMPOSITION PRODU		•	imperature.					
HAZAKDOUS	DECOMPOSITION PRODUC	Sulfur dioxide	9						
		SECTION 1	1 - Toxicological	Information					
E	XPOSURE LIMITS		ANCY OF PRODUCT	sensitization to produ	CT CARCINOGENICITY				
Sulfu	ric acid 1.0 mg/m	3 N	one known	None known	Not listed by IARC,				
					OSHA or ACGIH.				
	TERATOGENICITY	REPRO	ODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS				
Not known Not ki			Not known	Not known	Not known				
		SECTION	12 - Ecological I	nformation					
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

Not a controlled product under Canadian WHMIS regulations.

SECTION 16 - Other Information

The information contained in this MSDS 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.

PREPARED BY White Mountain Imaging

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T2 ESC Developer Systems Cleaner, Part 1

		SEC	TION 8 - Exposi	re Controls						
VENTIATION	Good general ve	entilation.								
SKIN	Latex or nitrile	_{EYE} Spla	ash goggles	RESPIRATORY Not nor	mally required					
OTHER	Eye wash statior									
		SECTION 9	- Physical and O	Chemical Prop	erties					
PHYSICAL ST/	ATE	ODOR AND APPEARANCE			ODOR THRESHOLD					
	Liquid	Deep blue liquid			Not available					
VAPOUR PRE	SSURE (mmHg)	VAPOUR DENSITY (Air = 1)	EVAPORATION RATE (Water = 1)	BOILING POINT	FREEZING POINT					
< '	17 mm Hg	0.6 mm Hg	Not available	> 212°F	< 32°F					
рН		SPECIFIC GRAVITY	SOLUBILITY IN WATER (20°C)	COEFF WATER OIL	PERCENT VOLATILE (BY VOLUME)	-				
	9.50	1.020	Complete	Not available	Not available					
		SECTION	10 - Stability an	d Reactivity D	ata					
CHEMICAL ST	ABILITY YES X NO	IF NO, UNDER WHAT O	conditions acids and organic subs	stances.						
INCOMPATIBI	ILITY WITH OTHER SUBSTA	NCES IF YES, WHICH ONES	-							
,	YES X NO									
REACTIVITY, A	AND UNDER WHAT CONDI	Stable under	ambient pressure and te	mperature.						
HAZARDOUS	DECOMPOSITION PRODU	^{CTS} Oxygen								
		SECTION 1	1 - Toxicological	Information						
E	EXPOSURE LIMITS		NCY OF PRODUCT	SENSITIZATION TO PROD	UCT CARCINOGENICITY	Y				
Potas	sium permangana	te No	one known	None known	Not listed by IA	.RC,				
	5 ppm TLV				OSHA or ÁCGI					
	TERATOGENICITY	REPRO	DUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODU	JCTS				
	Not known	Ν	lot known	Not known	Not known	i.				
		SECTION	12 - Ecological I	nformation						
No data	available	SECTION	12 - Ecological I	nformation						

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 Potassium permanganate is 100 lb SARA Section 304, CERCLA Hazardous components 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 MSDS 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.

PREPARED BY White Mountain Imaging