

SAFETY DATA SHEET

SECTION 1 - General Information

Product Name: DENT-X EXCEL X-RAY DEVELOPER		Catalog #:	
Product Use:	Photographic developer	HMIS SCALE: Health 1	Flammability 0
Supplier:	White Mountain Imaging	Reactivity 0	PPE C
Address:	PO Box 216 Salisbury, NH 03268		
Phone No.:	603-648-2124	Emergency Tel.:	CHEMTREC 800-424-9300

SECTION 2 - Hazards Identification

Precautionary Statement.	Category		WARNING
	<u>OSHA/GHS</u>	<u>GHS</u>	
Oral: May be harmful if swallowed	n/c	5	
Skin: May cause mild skin irritation or reaction.	n/c	5	
Eye: May cause eye irritation	2B	2B	

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

(n/c: not within OSHA classification limits.)

HAZARDOUS INGREDIENTS	CAS No.	W?W %	PEL	LD50
Water	7732-18-5	85-90	not listed	42.6gm/kg
Sodium Sulfite	7757-83-7	< 7	not listed	2825 mg/kg
Potassium hydroxide	1310-58-3	< 4	NIOSH © 2mg/m3	365 mg/kg
Hydroquinone	123-31-9	< 2	OSHA TWA 2 mg/m3	375 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

Flammability YES NO IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F)

Not appropriate

Upper limit % by volume

Not appropriate

Lower limit % by volume

Not appropriate

Auto ignition Temperature (C/F)

Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

Explosion Data Sensitivity to impact

not susceptible

Sensitivity to Static Discharge

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, 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 Control

999-2602-201

VENTILATION Good general ventilation
 SKIN Latex or Nitril
 OTHER Eye wash station

RESPIRATOR Not normally required
 EYE: Splash goggles

SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	ODOR & APPEARANCE		ODOR THRESHOLD
Liquid	Red solution, slight aldehyde odor		Not available
VAPOUR PRESSURE (mm-Hg)	Vapor Density (Air=1)	Evaporation Rate (Water=1)	Boiling Point
<17 mm Hg	0.6 mm Hg	Not Available	> 212 F
pH	Specific Gravity	Solubility in Water	Freeze Point
10.2	1.12	Complete	< 32 F
			Coef H2O/oil
			N/A
			% Volatile (by volume)
			60-100%

SECTION 10 - Stability & Reactivity Data

Chemical Stability IF NO, UNDER WHAT CONDITIONS
 YES NO
 INCOMPATIBLE WITH OTHER SUBSTANCES IF YES, WHICH ONES?
 YES NO Strong oxidizing agent and strong acids.
 HAZARDOUS DECOMPOSITION PRODUCTS
 sulfur dioxide, only under extreme conditions.

SECTION 11 - Toxicological Information

EXPOSURE LIMITS	Irritancy of Product	Sensitization to Product	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	REPRODUCTIVE TOXIN	MUTAGENICITY	SYNERGISTIC PRODUCTS
None Known	Not Known	Not Known	Not 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 - Hydroquinone
 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: DENT-X EXCEL X-RAY FIXER				Catalog #:	
Product Use:	Photographic fixer	HMIS SCALE: Health 1	Flammability 0	999-2602-001 999-2602-301	
Supplier:	White Mountain Imaging	Reactivity 0	PPE C		
Address:	PO Box 216 Salisbury, NH 03268				
Phone No.:	603-648-2124	Emergency Tel.:	CHEMTREC 800-424-9300		

SECTION 2 - Hazards Identification

	Category		
	OSHA/GHS	GHS	
Precautionary Statement.			<u>WARNING</u>
Skin: May cause mild skin irritation.	n/c	5	
Eye: Can cause irritation of eyes and mucous membranes.	2B	2B	
Oral: May be harmful if swallowed	n/c	5	
EFFECTS OF CRONIC EXPOSURE TO PRODUCT			
None known.	(n/c: not within OSHA classification limits.)		

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS No.	W?W %	PEL	LD50
Water	7732-18-5	90-95%	not listed	42.6 gm/kg
Ammonium Thiosulfate	7783-18-8	8-12%	not listed	2890 mg/kg
Sodium Sulfite	7757-83-7	< 2%	not listed	2825 mg/kg
Sodium Acetate	127-09-03	< 2%	Not listed	3530 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

Flammability YES NO IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

<u>FLASH POINT (C/F)</u>	<u>Upper limit % by volume</u>	<u>Lower limit % by volume</u>	<u>Auto ignition Temperature (C/F)</u>
Not appropriate	Not appropriate	Not appropriate	Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"	<u>Explosion Data</u>	<u>Sensitivity to impact</u>	<u>Sensitivity to Static Discharge</u>
	not susceptible	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, 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.

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Product Name: DENT-X EXCEL X-RAY FIXER	Catalog #: 999-2602-001
SECTION 8 - Exposure Control	
999-2602-301	

<u>VENTILLATION</u>	Good general ventilation	<u>RESPIRATORY</u>	Not normally required
<u>SKIN</u>	Latex or Nitril	<u>EYE:</u>	Splash goggles
<u>OTHER</u>	Eye wash station		

SECTION 9 - Physical & Chemical Properties

<u>PHYSICAL STATE</u> Liquid	<u>ODOR & APPEARANCE</u> Clear, colorless with slight vinegar odor.	<u>ODOR THRESHOLD</u> Not available		
<u>VAPOUR PRESSURE (mm-Hg)</u> <17 mm Hg	<u>Vapor Density (Air=1)</u> 0.6 mm Hg	<u>Evaporation Rate (Water=1)</u> Not Available	<u>Boiling Point</u> > 212 F	<u>Freeze Point</u> < 32 F
<u>pH</u> 4.6	<u>Specific Gravity</u> 1.100	<u>Solubility in Water</u> Complete	<u>Coef H2O/oil</u> N/A	<u>% Volatile (by volume)</u> 40-70%

SECTION 10 - Stability & Reactivity Data

Chemical Stability IF NO, UNDER WHAT CONDITIONS
YES NO

INCOMPATIBLE WITH OTHER SUBSTANCES IF YES, WHICH ONES?
YES NO Strong reducing agents & Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide & ammonia

REACTIVITY: Stable under ambient pressure & temperature.

SECTION 11 - Toxicological In formation

<u>EXPOSURE LIMITS</u> None Known	<u>Irritancy of Product</u> Skin: Irritant	<u>Sensitation to Product</u> None known	<u>CARCINOGENICITY</u> Not listed by IARC, OSHA, or ACGIH
<u>TERATOGENICITY</u> None Known	<u>REPRODUCTIVE TOXIN</u> Not Known	<u>MUTAGENICITY</u> Not Known	<u>SYNERGISTIC PRODUCTS</u> Not 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 Ammonium Thiosulfate 5000 lb.
SARA Section 304, CERCLA Hazardous components - Ammonium Thiosulfate, Acetic acid
SARA Section 302,304,313 Hazardous components (None)
Not a controlled product under Canadian WHMIS regulation

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.