

SAFETY DATA SHEETS

This SDS packet was issued with item:

078849410

N/A

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **T2 ESC Developer Systems Cleaner, Part 1**

PRODUCT USE **Photographic solution** HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY **0** PPE **C**
SUPPLIER **White Mountain Imaging** CATALOG # **4902EC**
ADDRESS **PO Box 216 Salisbury NH 03268**
PHONE NO. **603-648-2124** EMERGENCY TEL # **CHEMTREC 800-424-9300**

SECTION 2 - Product and Hazardous Ingredients Information

| HAZARDOUS INGREDIENTS | CAS NUMBER | W/W % | Permissible Exposure Limit | LD50 | LC50 |
|------------------------|------------|-------|----------------------------|------------|---------------|
| Water | 7732-18-5 | 95-99 | not listed | 42.6 gm/kg | not available |
| Potassium permanganate | 7722-64-7 | 2-4 | OSHA C 5 mg(Mn)m3 | 1090 mg/kg | not available |

SECTION 3 - Hazards Identification

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 diluted neutralizer & wash exposed skin 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 EXTINCTION

As needed to extinguish adjacent fire source.

| FLASHPOINT (°C) AND METHOD | UPPER FLAMMABLE LIMIT (% BY VOLUME) | LOWER FLAMMABLE 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 Decomposition Products". | Not susceptible | Not susceptible | Not susceptible |

SECTION 6 - Accidental Release

Neutralize with diluted 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.

SECTION 8 - Exposure Controls

VENTILATION Good general ventilation. (Not normally required)

SKIN Latex or nitrile

EYE Splash goggles

RESPIRATORY

OTHER Eye wash station

SECTION 9 - Physical and Chemical Properties

| | | | | |
|--|--|--|---|--|
| PHYSICAL STATE Liquid | ODOR AND APPEARANCE Deep blue liquid | | | ODOR THRESHOLD Not available |
| VAPOUR PRESSURE (mmHg) < 17 mm Hg | VAPOUR DENSITY (Air = 1) 0.6 mm Hg | EVAPORATION RATE (Water = 1) Not available | BOILING POINT 212°F | FREEZING POINT 32°F |
| pH 9.50 | SPECIFIC GRAVITY 1.020 | SOLUBILITY IN WATER (20°C) Complete | COEFF WATER OIL Not available | PERCENT VOLATILE (BY VOLUME) Not available |

SECTION 10 - Stability and Reactivity Data

CHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONS
Alcohol, HCL acids and organic substances.

INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?
YES NO

REACTIVITY, AND UNDER WHAT CONDITIONS
Stable under ambient pressure and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS
Oxygen

SECTION 11 - Toxicological Information

| | | | |
|--|---|---|--|
| EXPOSURE LIMITS Potassium permanganate 5 ppm TLV | IRRITANCY OF PRODUCT None known | SENSITIZATION TO PRODUCT None known | CARCINOGENICITY Not listed by IARC, OSHA or ACGIH. |
| TERATOGENICITY Not known | REPRODUCTIVE TOXICITY Not known | MUTAGENICITY Not known | SYNERGISTIC PRODUCTS 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 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.

SAFETY DATA SHEET

SECTION 1 - General Information

| | | | | | | | | | |
|--------------|---|--------------------|-----------------------|-------------|--------|------------|---|-----|---|
| PRODUCT NAME | T2™ ESC DEVELOPER SYSTEMS CLEANER PART 1 | | | | | | | | |
| PRODUCT USE | Photographic Solution | HMIS SCALE: Health | 1 | Flamability | 0 | Reactivity | 0 | PPE | C |
| SUPPLIER | White Mountain Imaging | | | CATALOG #: | 4902EC | | | | |
| ADDRESS | PO Box 216 Salisbury, NH 03268 | | | | | | | | |
| PHONE NO | 603-648-2124 | EMERGENCY TEL # | CHEMTREC 800-424-9300 | | | | | | |

SECTION 2 - Hazards Identification

Precautionary Statement.

Skin: May cause mild irritation.
Eye: May cause irritation of the eyes and mucous membrains.
Oral: Harmful if swallowed.

Classification

2
1A
4

WARNING



Avoid all contact with chemical. Wear complete Personal Protective Equipment (PPE).

SECTION 3 - Product & Hazardous Ingredients Information

| HAZARDOUS INGREDIENTS | CAS NUMBER | W/W % | Permissible Exposure Limit | LD50 |
|------------------------|------------|--------|----------------------------|------------|
| Water | 7732-18-5 | 95-99% | Not listed | 42.6 gm/kg |
| Potassium permanganate | 7722-64-7 | 2 - 4% | OSHA C 5 mg(Mn)m3 | 1090 mg/kg |

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and cool water. Seek medical advice immediately.

EYE CONTACT

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

INGESTION

DO NOT induce vomiting. Give 2-4 cups of milk or water. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air immediately. Seek medical attention for further recommendations.

SECTION 5 - Fire Fighting Measures

Flamability YES NO IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source. Do not use direct water stream. Protect eyes, skin & breathing with appropriate breathing a equipment & PPE.

| | | | |
|------------------------------|---------------------------|---------------------------|--------------------------------|
| FLASH POINT (C/F) AND METHOD | UPPER LIMIT (% BY VOLUME) | LOWER LIMIT (% BY VOLUME) | AUTOIGNITION TEMPERATURE (C/F) |
| N/A | N/A | N/A | N/A |

| | | | |
|--|-----------------|-----------------------|---------------------------------|
| 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 diluted ESC Neutralizer Rinse or sodium sulfite. When neutralized solution will be white. Flush to sewer with plenty of water, if permitted. Do not soak up with absorbent material. Consult with local &/or Federal officials for appropriate disposal of this material. Wear splash goggles, impervious gloves & apron.

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 ventilation | EYE: Splash goggles | RESPIRATORY | Not normally required |
| SKIN | Latex or nitrile | | | |
| OTHER | Eye wash station | | | |

SECTION 9 - Physical & Chemical Properties

| | | | | |
|------------------------|---|----------------------------|-----------------|------------------------|
| PHYSICAL STATE | ODOR & APPEARANCE | | | ODOR THRESHOLD |
| Liquid | Deep blue liquid. Slight metallic odor. | | | 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) |
| 9.50 | 1.020 | Complete | N/A | N/A |

SECTION 10 - Stability & Reactivity Data

| | | | |
|--------------------------------------|---|-----------------------------|--|
| CHEMICAL STABILITY | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | IF NO, UNDER WHAT CONDITIONS |
| INCOMPATIBLE WITH OTHER SUBSTANCES | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | IF YES, WHICH ONES? Alcohol, HCL acids, and organic substances. |
| REACTIVITY AND UNDER WHAT CONDITIONS | Stable under ambient pressure and temperature | | |
| HAZARDOUS DECOMPOSITION PRODUCTS | Oxygen | | |

SECTION 11 - Toxicological In formation

| | | | |
|-------------------------------------|-----------------------|--------------------------|--|
| EXPOSURE LIMITS | IRRITANCY OF PRODUCT | SENSITIZATION TO PRODUCT | CARCINOGENICITY |
| Potassium permanganate 5 ppm TLV | Skin & eye irritant. | yes | No Carcinogenic Chemicals in this Product |
| TERATOGENICITY | REPRODUCTIVE TOXICITY | MUTAGENICITY | SYNERGISTIC PRODUCTS |
| None Known | Not Known | None known | Not listed |

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: RQ for Potassium permanganate is 100 lb.
 SARA Section 304, CERCLA Hazardous components. (none)
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