



MATERIAL SAFETY DATA SHEET

The Fuji Hunt MSDS information provided on this site is updated on a monthly basis and complies with OSHA's Hazard Communication Standard (CFR 1910.1200) and the American National Standards Institute (ANSI) Standard for Material Safety Data Sheets (ANSI Z400.1).

Finished Goods Catalog

812942 - CHEMPACT(R) RA SCANNER NO. 2 DEVELOPER REPLENISHER

Manufacturer Name

FUJI HUNT PHOTOGRAPHIC CHEMICALS, INC.

SECTION 1 - COMPANY IDENTIFICATION

Catalog / Sub-assembly Number: 745938
FUJI HUNT Photographic Chemicals, Inc.
40 Boroline Road
P.O. Box 320
Allendale, NJ 07401-0320

TRANSPORTATION EMERGENCIES (24HR)
Inside US/Canada 800-424-9300
Outside US/Canada 703-527-3887
(Medical collect calls)
MEDICAL EMERGENCIES (24HR)
Prosar 877-935-7387
NON-EMERGENCIES
EHS Hotline 201-995-2330
General Info 201-995-2200

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Ingredients, CAS Number, Wt.%, OSHA PEL (mg/m3), ACGIH (mg/m3). Rows include EDTA, Disodium Salt; Hydroquinone; Potassium Carbonate; Pyrazolidinone Derivative; Sodium Hydroxide; Sodium Sulfite.

NE=Not Established STEL=Short Term Exposure Limit C=Ceiling Limits
All ingredients are on the TSCA inventory or comply with TSCA requirements.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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Appearance: Powdered material in vacuum-sealed poly bag
Odor: no odor

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles & neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. May produce hazardous gases under fire

conditions. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways. Use water spray to cool containers and disperse vapors. Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 3 Flammability: 0 Reactivity: 0 Protection: C  
NFPA: Health: 3 Flammability: 0 Reactivity: 0 Spec. Haz.: CORR

Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe  
A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron  
D = Face Shield, Gloves, Goggles & Apron

UN NO: UN1759

DOT GUIDE: ERG Guide 154

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Potential Health Effects:

Skin: Corrosive  
Eyes: Corrosive; Direct contact or vapor concentrations greater than Threshold Limiting Value (TLV) of Hydroquinone may cause permanent eye damage.  
Inhalation: Corrosive to respiratory tract and mucous membranes.  
Ingestion: Corrosive

Conditions aggravated by exposure:

Allergic reaction to sulfites may cause respiratory distress.  
N

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.  
Skin Contact: In case of skin contact; immediately flush with cool water for 15 minutes. Call a physician.  
Ingestion: In case of ingestion; do not drink water. Do not induce vomiting. Seek immediate medical attention. Call a physician.  
Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: None deg F (TCC)  
Autoignition Temperature: N/A deg F (CC)  
Explosion Limits: Lower: N/A vol.%; Not Tested  
Upper: N/A vol.%;

Extinguishing Media:

Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.

Unsuitable Extinguishing Media:

No restrictions on media based on knowledge of this material.

Fire Fighting Instructions:

Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:

For spills and leaks, wear chemical safety goggles, and neoprene gloves, and apron or coveralls. Clean up (do not use a vacuum cleaner) and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse.

Large Spills:

For larger spills requiring emergency response, respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendation for respirator use (see 29 CFR 1910.134 and NIOSH Pub. 87-108) and emergency response (see 29 CFR 1910.120). Clean up (do not use a vacuum cleaner) and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse. In the event of a large spill, call the emergency telephone number shown on the front of this sheet.

SECTION 7 - HANDLING / STORAGE

Handling:

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. Direct contact or vapor concentrations greater than Threshold Limiting Value (TLV) may cause permanent eye damage.

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\*\* The National Toxicology Program (NTP) has found that Hydroquinone shows some evidence of carcinogenic potential in animals; however, the International Agency for Research on Cancer (IARC) has determined inconclusive evidence exists on Hydroquinone's carcinogenic potential in animals.

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\*\* Note: NTP, OSHA and IARC do not place Hydroquinone on their lists of suspected carcinogens.

Storage:

Store in a cool, dry, well-ventilated area.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:

Local, mechanical exhaust ventilation recommended to minimize employee exposure to dust and mist.

Personal Protective Equipment

Respiratory Protection: If excessive dusting occurs, wear NIOSH/MSHA approved dust/mist respirator.

Skin Protection: Neoprene gloves and apron

Eye Protection: Chemical safety goggles. Eye wash fountain and emergency shower should be provided in work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powdered material in vacuum-sealed poly bag

Odor: no odor

Change in Physical State:

Boiling Point: N/D deg F
Melting Point: N/D deg F
Specific Gravity: 1.08 Water=1
Vapour Pressure: N/D mmHg @ 20C
Viscosity: N/A
Solubility in Water: Complete
pH Value: 10.56
VOC (lbs/gal): 0 (USEPA Method 24)

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:

Hazardous polymerization WILL NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.

Hazardous Decomposition Products:

Oxides of Sulfur; Oxides of Carbon; Oxides of Nitrogen; Ammonia

Materials and Conditions to Avoid:

Keep away from all sources of moisture. Avoid contact with strong oxidizers, strong acids, strong bases and nitrates. Avoid excess heat and moisture.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information

LD50 (oral, rat): No Data Available

Acute Overexposure:

Corrosive to all tissues contacted.

Chronic Overexposure:

Prolonged or repeated skin contact may cause allergic reaction and dermatitis.

Ingredient information:

May be mutagenic based on Pyrazolidone Derivative. Animal studies have shown that Pyrazolidone Derivative causes blood disorders, testicular damage and adverse reproductive effects, such as infertility.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available

Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous Waste Characteristic:

D002

Recommendation:

Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems. Material, if spilled, may exhibit "corrosive" hazardous waste characteristics.

SECTION 14 - TRANSPORTATION INFORMATION

Ground Shipping Information

Proper Shipping Name: Corrosive Solid, N.O.S. (contains Sodium Hydroxide)

Hazard Class: 8

UN/NA Number: UN1759

Packing Group: PGIII

Air (ICAO/IATA) Shipping Information

Proper Shipping Name: Corrosive Solid, N.O.S. (contains Sodium Hydroxide)

Hazard Class: 8

UN No: UN1759

Packing Group: PGIII

Subsidiary Risk: None

UN/DOT Labels Needed: Corrosive

International Maritime Organization (IMO) Additional Shipping Class:

IMDG Code: IMDG 8151

Amdt. Code: Amdt.25-89.

HTS Code: HTS#3707.90.6000.8

Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:

Please call (201) 995-2200 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

\*\*Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If ingredient is listed in this section but not in Section 2, then the concentration of this ingredient is below de minimis (less than 0.1%).

U.S. FEDERAL REGULATIONS:

- 313 = SARA Title III Section 313 (40 CFR 372 -- Toxic Release Inventory)
- 355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
- 302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
- CWA = Clean Water Act Priority Pollutants List
- CAA = Clean Air Act 1990 Hazardous Air Contaminants
- HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
EDTA, Disodium Salt	139-33-3	N	N	N	N	N	N
Hydroquinone	123-31-9	Y	Y	Y	N	Y	Y
Potassium Carbonate	584-08-7	N	N	N	N	N	N
Pyrazolidinone Derivative	92-43-3	N	N	N	N	N	N
Sodium Hydroxide	1310-73-2	N	N	Y	N	N	N
Sodium Sulfite	7757-83-7	N	N	N	N	N	N

TSCA 12(b) Export Notification

CAS NUMBER	CHEMICAL NAME
149-30-4	2-MERCAPTOBENZOTHAZOLE (MBT)

TOXICITY INFORMATION:

- IRC1 = IARC Group 1 Human Carcinogens List
- IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
- IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
- NTP = NTP Known Carcinogens List
- OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRC1	IRC2	IRC3	NTP	OSHA
EDTA, Disodium Salt	139-33-3	N	N	N	N	N
Hydroquinone	123-31-9	N	N	N	N	N
Potassium Carbonate	584-08-7	N	N	N	N	N
Pyrazolidinone Derivative	92-43-3	N	N	N	N	N
Sodium Hydroxide	1310-73-2	N	N	N	N	N
Sodium Sulfite	7757-83-7	N	N	N	N	N

STATE REGULATIONS:

- FL = Florida Hazardous Substance List
- MA = Massachusetts Right-To-Know List
- MI = Michigan Critical Materials List
- MN = Minnesota Hazardous Substance List
- NJ = New Jersey Right-To-Know List
- PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
EDTA, Disodium Salt	139-33-3	N	N	N	N	N	N
Hydroquinone	123-31-9	Y	Y	Y	Y	Y	Y
Potassium Carbonate	584-08-7	N	N	N	N	N	N
Pyrazolidinone Derivative	92-43-3	N	N	N	N	N	N
Sodium Hydroxide	1310-73-2	Y	Y	Y	N	Y	Y
Sodium Sulfite	7757-83-7	N	N	N	N	N	N

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. This regulation does not address di minimus levels; therefore, even trace amounts of chemicals

included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:

\*\*\*\*None Listed\*\*\*\*

WARNING: Known to the State of California to cause developmental toxicity:

\*\*\*\*None Listed\*\*\*\*

WARNING: Known to the State of California to cause female reproductive effects

\*\*\*\*None listed\*\*\*\*

WARNING: Known to the State of California to cause male reproductive effects:

\*\*\*\*None listed\*\*\*\*

The following designation is used only for those facilities that have air permits in nonattainment areas for ozone:

Non-Photochemically Reactive

#### SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.