



MATERIAL SAFETY DATA SHEET

Finished Goods Catalog

55815290 - LH-DPW2 THERMAL POSITIVE PLATE DEV. (2X2.5GAL)

Manufacturer Name

FUJI PHOTO FILM USA, INC.

SECTION 1 - COMPANY IDENTIFICATION

FUJI PHOTO FILM USA, INC.
200 Summit Lake Drive
Valhalla, NY 10595-1356

CHEMTREC (24 HRS) EMERGENCY NO:
Inside US & Canada: 1-800-424-9300
Outside US & Canada:1-703-527-3887
MEDICAL (24 HRS) EMERGENCY NO:
Prosar: 1-877-935-7387
MSDS FAXBACK (24 HRS): 1-888-354-3854
NON-EMERGENCIES:
EHS Hotline: 1-800-473-3854
General Information:1-914-789-8100

MSDS ID: 5314FF

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: Ingredients, CAS Number, Wt.%, TIME WEIGHTED AVERAGES (OSHA PEL, ACGIH TLV). Rows include Tripotassium Citrate, Potassium Hydroxide, Glucitol, and Water.

NE=Not Established; STEL=Short Term Exposure Limit; C=Ceiling Limits; PEL=
PEL=Permissible Exposure Limits; TLV=Threshold Limit Values

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Clear, colorless, aqueous liquid
Odor: No odor

DANGER; CORROSIVE

Mildly irritating to skin. Corrosive to eyes. Prolonged or repeated skin
contact may cause allergic reaction and dermatitis. Keep away from excess
heat. Avoid contact with strong oxidizers, strong acids and strong bases.

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 to cool containers and disperse vapors.

Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 2 Flammability: 0 Reactivity: 0 Protection: C
NFPA: Health: 2 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: UN1814

DOT GUIDE: ERG Guide 154

Potential Health Effects:

- Skin: Contact causes severe irritation.
- Eyes: Corrosive
- Inhalation: Corrosive to respiratory tract and mucous membranes.
- Ingestion: Corrosive

Conditions aggravated by exposure:

None expected except those associated with acute effects.

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; seek immediate medical attention.
- 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 incidental spills and leaks, wear adequate personal protective equipment, see Section 8 (Exposure & Personal Protection). Spills should be contained by, and covered with suitable absorbent material and removed for disposal. Dispose of according to local and national regulations. Prevent

from entering into soil, waterways and groundwater.

Large Spills:

For larger spills, requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respiratory protection (see 29 CFR 1910.134 and NIOSH pub. 87-108) and emergency response (see 29 CFR 1910.120). Hold in properly labeled DOT-approved waste container. Dike large spills to minimize the spill area. Material can cause environmental damage.

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.

Storage:

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:

Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.

Personal Protective Equipment

Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.13

4.

Skin Protection: Neoprene gloves and apron
Eye Protection: Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless, aqueous liquid
Odor: No odor
Change in Physical State:
Boiling Point: >100 deg C
Melting Point: N/D deg F
Specific Gravity: 1.04 Water=1
Vapour Pressure: ~15 mmHg @ 20C
Viscosity: N/A
Solubility in Water: Complete
pH Value: 13.2
VOC (lbs/gal): 0 (Minus water)

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 Nitrogen; Oxides of Carbon

Materials and Conditions to Avoid:

Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information

LD50 (oral, rat): >2000 mg/kg

Acute Overexposure:

Mildly irritating to skin. Corrosive to eyes.

Chronic Overexposure:

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

Ingredient information:

No other information.

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: Potassium Hydroxide, Solution

Hazard Class: 8

UN/NA Number: UN1814

Packing Group: PGIII

Air (ICAO/IATA) Shipping Information

Proper Shipping Name: Potassium Hydroxide, Solution

Hazard Class: 8

UN No: UN1814

Packing Group: PGIII

Subsidiary Risk: None

UN/DOT Labels Needed: Corrosive

Passenger Aircraft Packing Instructions: N/A Max: N/A

Cargo Aircraft Packing Instructions: N/A Max: N/A

International Maritime Organization (IMO) Additional Shipping Class:

IMDG Code: IMDG 8214

Amdt. Code: Amdt.27-94.

HTS Code: HTS#3707.90.6000.8

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

Further information:

Please call (800) 473-3854 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

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
Tripotassium Citrate	866-84-2	N	N	N	N	N	N
Potassium Hydroxide	1310-58-3	N	N	Y	N	N	N
Glucitol	50-70-4	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

TSCA 12(b) Export Notification
 None required

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
Tripotassium Citrate	866-84-2	N	N	N	N	N
Potassium Hydroxide	1310-58-3	N	N	N	N	N
Glucitol	50-70-4	N	N	N	N	N
Water	7732-18-5	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
Tripotassium Citrate	866-84-2	N	N	N	N	N	N
Potassium Hydroxide	1310-58-3	Y	Y	Y	N	Y	Y
Glucitol	50-70-4	N	N	N	N	N	N
Water	7732-18-5	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 de 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****

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.