

SOUTHLAND DISTRIBUTION & SALES

SAFETY DATA SHEET

OSHA HCS (29 CFR § 1910.1200) & UN GHS Classification

SECTION 1: IDENTIFICATION

Product Name: Panopro Photographic X-Ray Developer
Synonyms for:
Inorganic Sulfite: Unknown
Potassium Hydroxide: Caustic Potash, Hydroxyde de Potassium (French), Kaliumhydroxid (German)
Hydroquinone: Arctuvine, Benzene, p-Dihydroxy, 1,4-Dihydroxy-Benzen (Dutch), 1,4-Dihydroxy-Benzol (German)
Alcohol Derivative: Unknown
CAS Number: See Section 3
Product Use: For developing X-Ray film
Manufacturer/Supplier: Southland Distribution & Sales
4003 Enterprise Court
Augusta, GA 30907
General Information: 800-880-0240
Transportation Emergency Number: 800-880-0240

SECTION 2: HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION: OSHA HCS (29 CFR § 1910.1200)

Symbols: Exclamation Mark

2.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid

Odor, Color, Grade: Slightly greenish, odorless

General Physical Form: Liquid

Immediate health, physical and environmental hazards: Mild eye, skin and respiratory irritations.

2.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing and blurred or hazy vision.

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching and dryness.

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Carcinogenic:

N/A

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

AQUATIC TOXICITY: None

ATMOSPHERIC FATE: This product has Zero Ozone Depletion Potential (ODP).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. No.	% by Vol
Inorganic Sulfite (3-6%)		
Potassium Hydroxide (1-3%)*	1310-35-3	2mg/m ³
Hydroquinone**	123-31-9	2mg/m ³
2-Butoxyethanol (1.0 – 2.0%)		
*Poison by ingestion. An eye irritant and severe skin irritant. Very corrosive to the eyes, skin, and mucous membranes. Mutation data reported. (Hazardous Desk Reference, 4 th Edition, p 976, PLJ500.)		
**A human poison by ingestion. An experimental poison by ingestion, intravenous, and subcutaneous routes. (Hazardous Desk Reference, 4 th Edition, p 598, HIH000.)		

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with water for 15 minutes.

Skin Contact: Immediately flush skin with large amounts of water. If signs/symptoms persist, seek medical attention.

Inhalation: Remove person to fresh air.

If Swallowed: Induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 NOTE TO PHYSICIANS

Exposures resulting from intentional misuse and abuse may cause an increase in myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Flash Point (Method Used): Non Combustible: >150° F

Flammability: Low Hazard. Product is non-flammable at ambient temperature.

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

NOTE: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is spilled – Flush material to sewer with large amounts of water. (Disposal may be subject to Federal, State or local laws.)

Waste Disposal Method: Same as above.

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In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Good ventilation should be sufficient. Respiratory protection is not necessary. Wearing of safety glasses is recommended. Impervious gloves should be worn.

7.2 STORAGE

Keep tightly sealed. Do not store food in area where it may become contaminated. Store above 32°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Not required

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists or spray. The following eye protection(s) are recommended: Safety Glasses with side shields.

8.2.2 Skin Protection

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212°F
Vapor Pressure (mm Hg):	17mm Hg @ 20° C
Vapor Density (AIR =1):	0.6 lb./ft₃
Solubility in Water:	Completely
Evaporation Rate (butyl Acetate 1):	0.4
Specific Gravity (H₂O=1):	1.084
Percent Volatile by Volume (%):	85% - 93%
Appearance and Odor:	Clear, slightly greenish liquid
pH:	9.0 – 9.5

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Materials and Conditions to Avoid: Strong Acids

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition of By-Products: Oxides of Sulfur may be present.

SECTION 11: TOXICOLOGICAL INFORMATION

No adverse health effects are anticipated from normal handling or use of Panopro Photographic X-Ray Developer.

SECTION 12: ECOLOGICAL INFORMATION* (non-mandatory)**SECTION 13: DISPOSAL CONSIDERATIONS* (non-mandatory)****SECTION 14: TRANSPORT INFORMATION* (non-mandatory)****SECTION 15: REGULATORY INFORMATION* (non-mandatory)**

**** Note:** Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200 (g) (2)).

SECTION 16: OTHER INFORMATION

Additional Information:

None

Date of Preparation:

September 26, 2014

The following sections contain revisions or new statements: 1-16

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