

MSDS Report

Samples Medical X-Ray Film Manual Processing Kit Developer

Supplier: Tianjin QinAn Tech Co., Ltd.

Material Safety Data Sheet

Medial X-Ray Film Manual Processing Kit Developer

Section 1- Chemical Product and Company Identification

Product name: Medical X-Ray Film Manual Processing Kit Developer

Chemical Name: Medial X-Ray Film Manual Processing Kit Developer

Manufacturer: Tianjin QinAn Tech Co., Ltd.

Address: Block 13, Yuhong Industrial park, Xinzhuang Town, Jinan District, Tianjin

Post code: 300050

TEL: +86-22-84393183

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Section 2- Composition/Information on Ingredient

Chemical composition

Chemical name	CAS No.	Formula	Composition	EC No.
Anhydrous Sodium sulphate	7757-83-7	Na ₂ O ₃ S	50%	231-821-4
Anhydrous Sodium carbonate	497-19-8	Na ₂ CO ₃	36.5%	207-838-8
Potassium bromide	7758-02-3	BrK	5.32%	231-830-3
Hydroquinone	123-31-9	C ₆ H ₆ O ₂	8%	204-617-8
Phenidone	92-43-3	C ₉ H ₁₀ N ₂ O	0.18%	202-155-1

Section 3 - Hazards Identification

Potential Health Effects

Eye: May cause irritation of eyes, even conjunctivitis and possible keratitis. May cause redness, pain.

Skin: May cause irritation of skin. It will be harmful via skin absorption. May cause skin allergic reaction with touch.

Ingestion: Harmful if swallowed. May cause neural response, characterized excitation, and headache, swirl, drowsiness, nausea. And more cause breakdown, lose consciousness, coma, possibly leading to respiratory failure and death.

Inhalation: Harmful if inhaled. May cause irritation of respiratory.

Chronic: Prolonged skin contact may cause dermatitis. Prolonged eye contact may cause conjunctivitis. Prolonged inhalation may cause bronchitis.

Section 4- First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Sometimes turn up eyes and face. Get medical aid.

Skin: Immediately wash skin with soap and copious amounts of water. While removing contaminated clothing and shoes. If irritation develop and persists, seek medical attention.

Ingestion: Wash mouth with water. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protection gear. Dust concentration in enough with air mixes together may cause explosion.

Extinguishing Media: Matter is not burning. Use extinguishing media most appropriate for the surrounding fire.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb or clean up spill with inert material, then place in suitable container. Keep away from dust, provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Generated dust concentration is enough when handling with air together may cause explosion.

According to careful handling habits, handle with caution, and unnecessary contact. Clean up after handling, keep air ventilation. Minimize and reduce the generation, accumulation of dust. Do not get in eyes, on skin, or on clothing. Avoid inhalation of dust. No eating, drinking and smoking when handling this chemical. Take measures to avoid electrostatic discharge.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from acid, and water flowing into container.

Section 8 - Exposure Controls, Person Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear chemicals splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing according to number of dangerous substances and concentration.

Respirators: Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard En 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Powder

Color: white

Odor: slight odor

PH: 11.8

Vapor Pressure: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: Not available

Autoignition Temperature: Not applicable.

Flash Point: Not available

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

Decomposition Temperature: Not available

Solubility in water: Soluble

Specific Gravity/Density: 1.25g/ml

Section 10 - Stability and Reactivity

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Shenzhen (0755)26050909

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Chemical Stability: Stable under normal temperature and pressures.

Conditions to Avoid: Incompatible materials. Incompatible materials, dust generation. Not exposed in humid air, water.

Incompatible with Other Materials: Strong oxidizing agents, acids.

Hazardous Decomposition Products: May produce irritating and toxic fumes and gases. Carbon monoxide, carbon dioxide, oxides of sulfur, hydrogen sulfide, sodium oxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS#7757-83-7: WE2150000

CAS#497-19-8: VZ4050000

CAS#7758-02-3: TS7650000

CAS#123-31-9: MX3500000

CAS#92-43-3: UQ8750000

LD50/LC50: CAS#7757-83-7:

Oral, mouse: LD50=820 mg/kg;

Oral, mouse: LD50=3560 mg/kg;

CAS#497-19-8:

Draize test, rabbit, eye: 100mg/24H Moderate;

Draize test, rabbit, eye: 50 mg Severe;

Draize test, rabbit, skin: 500mg/24H Mild;

Inhalation, mouse: LC50=1200 mg/m³/2H;

Inhalation, rat: LC50=2300 MG/M³/2H;

Oral, mouse: LD50=6600 mg/kg;

Oral, rat: LD50=4090 mg/kg;

CAS#7758-02-3:

Oral, mouse: LD50=3120 mg/kg;

Oral, mouse: LD50=3070 mg/kg;

CAS#123-31-9:

Oral, mouse: LD50=245 mg/kg

Oral, mouse: LD50=350 mg/kg

Oral, rat: 200 mg/kg

Oral, mouse: 302 mg/kg

CAS#123-31-9: MX3500000

Dermal, guinea pig: LD50>1 gm/kg;

Oral, mouse: LD50=360 mg/kg;

Oral, mouse: LD50=200 mg/kg;

Carcinogenicity: Anhydrous sodium sulphate - IRAC: Group 3 (not classifiable)

Anhydrous Sodium Carbonate- Not listed as a carcinogen by ACGIH, IARC, NTP

Potassium bromide- Not listed as a carcinogen by ACGIH, IARC, NTP

Hydroquinone - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans IARC: Group 3 (not classifiable)

Phenidone - Not listed as carcinogen by ACHIH, IARAC, NTP

Other: The chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

Ecotoxicity: Not available

Other: Do not empty into drains.

Section 13 - Disposal Considerations

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Dispose of in a manner consistent with federal, state and local regulations.

Section 14 Transportation Information

	IATA	IMO	RID/ADR
Proper shipping name	Not regulated	Not regulated	Not regulated
Hazard class			
Un number			
Packing group			

Section 15 - Regulatory Information

European/International Regulations

Reference to the local, national and EU/ international regulations

Hazard Symbols: Xn

Risk Phrases:

R 22 Harmful if swallowed.

R 36 Irritating to eyes.

R 51/53 Toxic to aquatic organisms. Underwater acoustic environment may lead to long-term adverse effects.

Safety Phrases:

S 22 Avoid breathing dust.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16 - Additional Information

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