

MSDS Report

Samples Medical X-Ray Film Manual Processing Kit Fixer

Supplier: Tianjin QinAn Tech Co., Ltd.

Material Safety Data Sheet

Medial X-Ray Film Manual Processing Kit Fixer

Section 1- Chemical Product and Company Identification

Product name: Medial X-Ray Film Manual Processing Kit Fixer

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

Manufacturer: Tianjin QinAn Tech Co., Ltd.

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

Post code: 300050

TEL: +86-22-84393183

FAX: +86-22-84293186

Section 2- Composition/Information on Ingredient

Chemical composition

Chemical name	CAS No.	Formula	Composition	EC No.
Sodium thio sulphate	7772-98-7	Na ₂ O ₃ S	72.5%	231-867-5
Anhydrous sodium sulphite	7757-83-7	Na ₂ O ₃ S	9.8%	231-821-4
Boric acid	10043-35-3	H ₃ BO ₃	9.8%	233-139-2
Tartaric acid	147-71-7	C ₄ H ₆ O ₆	2%	205-695-6
Aluminium potassium sulfate	7784-24-9	AlK ₂ O ₈ S ₂ ·12H ₂ O	5.9%	/

Section 3 - Hazards Identification

Potential Health Effects

Eye: May cause irritation and possible burns. May cause redness, pain.

Skin: May cause irritation. It will be harmful via skin absorption.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, performance as nausea, vomiting or diarrhea. Possible cause stomach unrest and electrolyte imbalance.

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

Chronic: Prolonged skin contact may cause dermatitis, may be harmful to the unborn child.

Section 4- First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Sometimes turn up eyes and face. If irritation generates, 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: Do not give in to the unconscious person anything in mouth, wash it 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. Spray water, carbon dioxide, dry powder or appropriate foam extinguisher.

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 mixes 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: 9.4

Vapor Pressure: Not available

Viscosity: Not applicable

Boiling Point: Not applicable

Freezing/Melting Point: Not available

Autoignition Temperature: Non-ignitable

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: 0.95g/ml

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperature and pressures.

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

Incompatible with Other Materials: Strong oxidizing agents.

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

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS#7772-98-7: XN6476000

CAS#7757-83-7: WE2150000

CAS#10043-35-3: ED4550000 ED4560000

CAS#147-71-7: Not provided

CAS# 7784-24-9: WS5690000

LD50/LC50: CAS#7772-98-7:

Laparoscopic, mouse: LD50=5200 mg/kg;

CAS#7757-83-7:

Oral, mouse: LD50=820 mg/kg;

Oral, mouse: LD50=3560 mg/kg;

CAS#10043-35-3

Oral, mouse: LD50=3450 mg/kg;

Oral, mouse: LD50=2660 mg/kg;

Oral, mouse: LD50=2500 mg/kg;

Carcinogenicity: Sodium thio sulphate- Not listed as a carcinogen by ACGIH, IARC, NTP

Anhydrous sodium sulphite - IRAC: Group 3 (not classifiable)

Boric acid- Not listed as a carcinogen by ACGIH, IARC, NTP

Tartaric acid- Not listed as a carcinogen by ACGIH, IARC, NTP

Aluminium potassium sulfate - International cancer research institutions have not confirmed the material containing 0.1% or more products, may be human carcinogen.

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

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: Xi irritated.

Risk Phrases:

R 36 Irritating to eyes.

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

MSDS Creation Date: May 4, 2012

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.