

## Chemical Safety Data Sheet

Z17000000606/Version 1.0

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### 1. Identification of the substance/mixture and of the company/undertaking

**Product name:** POTASSIUM SULFITE 45% H2O SOLUTION, Part B

**Product code:** 10007064, Part B

For Chemical Emergency Information, call: (800) 820-5800

**Synonyms:** PCD 10749

**Product Use:** photographic processing chemical, For industrial use only.

### 2. Hazards identification

#### GHS-Classification

Hazard class	Hazard category	Route of exposure (Target organs)
Skin corrosion/irritation	Category 3	--
Serious eye damage/eye irritation	Category 2B	--

#### GHS-Labeling

**Contains:**

Potassium sulphite (10117-38-1)

**Signal word:** Warning

**Hazard statements:**

Causes mild skin irritation.

Causes eye irritation.

**Precautionary statements:**

Keep container tightly closed.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local regulation.

### 3. Composition/information on ingredients

<b>Weight percent</b>	<b>Components (CAS-No.)</b>
40 - 50	Potassium sulphite (10117-38-1)

#### **4. First aid measures**

**Inhalation:** If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lens, if worn. Get medical attention if symptoms occur.

**Skin:** Wash off with soap and water. Get medical attention if symptoms occur.

**Ingestion:** If swallowed, get medical attention if symptoms occur.

#### **5. Fire-fighting measures**

**Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

**Hazardous Combustion Products:** None (noncombustible), (see also Hazardous Decomposition Products section).

**Unusual Fire and Explosion Hazards:** None.

#### **6. Accidental release measures**

**Personal precautions:**

See Section 8 for recommendations on the use of personal protective equipment.

**Methods for cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

**Environmental precautions:**

Prevent spillage from entering drains. Contaminated absorbent should be disposed of in accordance with local regulations.

#### **7. Handling and storage**

**Personal precautions:** Avoid prolonged or repeated breathing of mist or vapour. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Prevention of Fire and Explosion:** No special technical protective measures required.

**Storage:** Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

#### **8. Exposure controls/personal protection**

**Occupational exposure controls**

Chemical Name	Regulatory List	Value Type	Value
Sulphur dioxide	CN OEL	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>
		Short Term Exposure Limit (STEL):	10 mg/m <sup>3</sup>
Sulphur dioxide	ACGIH	time weighted average	2 ppm
		Short term exposure limit	5 ppm

**Ventilation:** Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

**Respiratory protection:** In case of insufficient ventilation, wear personal respiratory protection designed to protect against both aerosols and acid gas.

**Eye protection:** Wear safety glasses with side shields (or goggles).

**Skin and body protection:** For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Recommended Decontamination Facilities:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

## 9. Physical and chemical properties

**Physical form:** liquid

**Colour:** colourless

**Odour:** odourless

**Specific gravity:** 1.46

**Vapour pressure (at 20.0 °C (68.0 °F)) :** 24 mbar (18.0 mm Hg)

**Vapour density:** 0.6

**Volatile fraction by weight:** 50 - 60 %

**Boiling point/boiling range:** > 100.0 °C (> 212.0 °F)

**Water solubility:** complete

**pH:** 9.2

**Flash point:** does not flash

## 10. Stability and reactivity

**Stability:** Stable under normal conditions.

**Incompatibility:** Acids. Contact with strong acids liberates sulphur dioxide.

**Hazardous decomposition products:** Sulphur oxides.

**Hazardous Polymerization:** Hazardous polymerisation does not occur.

## 11. Toxicological information

### Effects of Exposure

**Inhalation:** Expected to be a low hazard for recommended handling. Some asthmatics or hypersensitive individuals may experience difficulty breathing if exposed to aerosols or decomposition products that are not anticipated during normal use.

**Eyes:** Causes eye irritation.

**Skin:** Causes mild skin irritation.

**Ingestion:** Expected to be a low ingestion hazard. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea. May cause irritation of the gastrointestinal tract if swallowed.

### Data for Potassium sulphite (CAS 10117-38-1):

#### Acute Toxicity Data:

Oral LD50 (rat): > 3,200 mg/kg

- Dermal LD50 (guinea pig): > 20,000 mg/kg
- Skin irritation: slight to moderate

## 12. Ecological information

This product has not been tested for environmental effects.

The following properties are ESTIMATED from the components of the preparations.

### Potential Toxicity:

Toxicity to fish (LC50): > 100 mg/l

Toxicity to daphnia (EC50): > 100 mg/l

Toxicity to algae (IC50): > 100 mg/l

Toxicity to other organisms (EC50): > 100 mg/l

**Persistence and degradability:** not applicable

**Chemical Oxygen Demand (COD):** 28 g/l

**Biochemical Oxygen Demand (BOD):** 28 g/l

## 13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws.

#### 14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: <http://ship.carestreamhealth.com>.

#### 15. Regulatory information

##### **Dangerous Chemicals list -2002 published by China National Security to produce Surveillance administrative Bureau: Not listed**

##### **Notification status**

<b>Regulatory List</b>	<b>Notification status</b>	<b>Other information</b>	<b>Not listed</b>
REACH	n (Negative listing)	Not in compliance with the inventory	Water; Potassium sulphite
CH INV	y (positive listing)	On the inventory, or in compliance with the inventory	
TSCA	y (positive listing)	On TSCA Inventory	
DSL	y (positive listing)	All components of this product are on the Canadian DSL list.	
AICS	y (positive listing)	On the inventory, or in compliance with the inventory	
NZIOC	n (Negative listing)	Not in compliance with the inventory	Water; Potassium sulphite
ENCS (JP)	y (positive listing)	On the inventory, or in compliance with the inventory	
ISHL (JP)	n (Negative listing)	Not in compliance with the inventory	Water
KECI (KR)	y (positive listing)	On the inventory, or in compliance with the inventory	
PICCS (PH)	y (positive listing)	On the inventory, or in compliance with the inventory	
INV (CN)	y (positive listing)	On the inventory, or in compliance with the inventory	

A N (Negative listing) indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Carestream Health.

#### 16. Other information

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution

is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.