

Section 1. Product and Company Identification

**Product Name** Potassium Thioglycolate  
**CAS Number** 34452-51-2

**Parchem - fine & specialty chemicals**

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**New Rochelle, NY 10801**

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**EMERGENCY RESPONSE NUMBER**

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**Hazard Class and Category Code(s)**

**Acute toxicity, Oral:** (Category 3)

**Acute toxicity, Dermal:** (Category 4)

**Skin Sensitization:** (Category 1)

**Corrosive to metal:** (Category 1)

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Hazard statements**

**H301:** Toxic if swallowed

**H312:** Harmful in contact with skin.

**H317:** May cause an allergic skin reaction

**H290:** May be corrosive to metals

**Precautionary statement(s)**

**P280:** Wear protective gloves

**P302+352: IF ON SKIN:** Wash with plenty of soap and water

**P309+310: If exposed or if you feel unwell:** Immediately call a POISON CENTRE or doctor/physician



**Other hazards:** None

### Section 3. Composition / Information on Ingredients

**Common Name** Potassium Thioglycolate  
**CAS Number** 34452-51-2

COMPONENT	CAS NUMBER	CONCENTRATION
Potassium Thioglycolate	34452-51-2	~ 44%
Water	7732-18-5	~ 66%

### Section 4. First Aid Measures

**General:** If exposed or concerned get medical advice/attention.

**Inhalation:** Remove to fresh air. If breathing has ceased give artificial respiration. Obtain immediate medical attention

**Skin contact:** Remove contaminated clothing and wash affected area with soap and water immediately. Obtain immediate medical attention.

**Eye contact:** Remove contact lenses, if worn and rinse open eye with at least 15 minutes under running water and apply sterile protective bandage. Obtain medical attention immediately.

**Ingestion:** Never give anything by mouth if patient is unconscious. Do not induce vomiting. Rinse mouth with water and obtain immediate medical attention.

### Section 5. Firefighting Measures

**Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Special hazards arising from the substance or mixture:** Not combustible. Fire may cause evolution of hydrogen sulfide, sulfur oxides.

**Advice to firefighters:** Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

### Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Be careful to ensure product doesn't enter drains or surface waters.

**Methods and material for containment and cleaning up:** Take up mechanically or sweep up carefully and transfer to a suitable container for recovery or waste disposal. Ventilate the area and wash spill site after material pickup is complete. Disposal of waste in accordance with all applicable federal, state and local laws.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Normal measures for preventive fire protection.

**Conditions for safe storage:** Keep container tightly closed in a dry and well ventilated place. Store in cool place.

#### Section 8. Exposure Controls / Personal Protection

**Exposure controls:** Wear suitable respirator, safety goggles, suitable gloves & aprons. For extra safety use within fume chambers. Wash thoroughly after handling. Do not expose into eyes, on skin & clothing. Avoid prolonged or repeated exposure. Be particular about using the safety showers & eye bath.

**Occupational exposure controls:** Wear recommended personal protective equipment as details below

**Personal protection:** Chemical resistant gloves & safety glasses is must

**Respiratory protection:** Seek professional advice prior to respirator selection. Atmospheric level should be maintained below the exposure limit. If airborne concentrations are high use mask or respirator.

**Hand protection:** Wear chemical protective gloves

**Eye protection:** Wear safety glasses

**Skin protection:** Wear chemically protective clothing

**Work practices:** Eye wash facilities and a safety shower should be easily accessible. Before breaks and at the end of work thoroughly wash hands with soap and water. Wash contaminated clothing before use. Clean footwear before use.

**Environmental exposure controls:** All necessary precautions must be taken to avoid release into the environment. Refer to Local, State or National Legislations for environment and pollution control.

#### Section 9. Physical and Chemical Properties

**Form:** Liquid

**Color:** Clear to pink

**pH:** 6.5 - 7.5

**Melting point:** No information available

**Boiling point:** No information available

**Flash point:** Not applicable

**Ignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Water solubility:** Freely soluble

**Refractive index:** No information available

**Specific gravity:** 1.250 - 1.255 g/mL

Section 10. Stability and Reactivity

**Reactivity**

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** Hazardous polymerization will not occur

**Conditions to avoid:** No information available

**Incompatible materials:** Metal, metal alloys

**Hazardous decomposition products:** No data available

Section 11. Toxicological Information

**Acute toxicity:** LD50 oral (rat) 200-500 mg/kg

**Skin corrosion/Irritation:** Rabbit - slight irritation

**Serious eye damage/eye irritation:** No eye irritation

**Respiratory or skin sensitization:** Mouse- positive

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** The substance is not classified as Specific target organ toxicity - single exposure

**Specific target organ toxicity - repeated exposure:** The substance is not classified as Specific target organ toxicity - repeated exposure

Section 12. Ecological Information

**Toxicity:** No information available

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** Not known

**Other adverse effects:** Not known

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**UN number:** 2922

**UN Proper shipping name:** CORROSIVE LIQUID TOXIC N.O.S (POTASSIUM THIOGLYCOLATE SOLUTION), 8

**Transport hazard class(es):** 6.1

**Packing group:** III

**Environmental hazards:** Not classified



**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:** Not known

**ADR/RID:** UN2922; CORROSIVE LIQUID TOXIC N.O.S (POTASSIUM THIOGLYCOLATE SOLUTION), 8

**IMDG:** UN2922; CORROSIVE LIQUID TOXIC N.O.S (POTASSIUM THIOGLYCOLATE SOLUTION), 8

**IATA:** UN2922; CORROSIVE LIQUID TOXIC N.O.S (POTASSIUM THIOGLYCOLATE SOLUTION), 8

Section 15. Regulatory Information
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N/A

Section 16. Other Information
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**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/17/2017

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