

Section 1. Product and Company Identification

Item Number.: s164-1
 Common Name.: Chromic Acid 4% Aqueous
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

271 Oxidising liquids; Oxidising solids Cat 1
 301 Acute toxicity, oral Cat 3
 311 Acute toxicity,dermal Cat 3
 314 Skin corrosion/irritation Cat 1A, B, C
 330 Acute toxicity,inhalation Cat 1, 2
 334 Sensitisation, respiratory Cat 1
 340 Germ cell mutagenicity Cat 1A, 1B
 350 Carcinogenicity Cat 1A, 1B
 361 Reproductive toxicity Cat 2
 370 Specific target organ toxicity, single exposure Cat 1

**Danger**

May cause fire or explosion; strong oxidiser. Toxic if inhaled, swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs.

Obtain special instructions before use. Do not handle until all precautions have been and understood. Keep away from heat/sparks/open flames/hot surfaces-No smoking. Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe dust/ fume/gas/mist/ vapours/spray. In case of inadequate ventilation wear respiratory ventilation. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use in well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection/respiratory protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with soap/water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF ON CLOTHING: Rinse immediately contaminated clothing/skin with plenty of water before removing clothes. Wash before reuse. If exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Store locked up. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Chromium VI Oxide	1333-82-0				<5%

Section 4. First Aid Measures

Eye Contact : Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.
 Skin Contact : Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention
 Ingestion : Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention
 Inhalation : Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention
 The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media.: Water spray or extinguishing media appropriate to surrounding fire conditions
 Special Fire and Explosion Remarks...: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special...: Take up with absorbent vermiculite
 Spill Cleanup.: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

Storage and Handling Special...: NA
 Storage and handling.: Keep container tightly closed. Store in a cool, dry area and protect from physical damage

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment...: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator
 This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
 Engineering Controls.: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

Appearance.....: Red liquid	Evaporation Rate.....: N/A	Water Soluable?: Yes
Odor.....: N/A	Upper Flammability Limit (%): N/A	Volatile Percent: N/A
Odor Threshold: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient: n-octanol/water: N/A
pH: N/A	Specific Gravity (@20C): N/A	Auto Ignition Temp.: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg): N/A	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1): N/A	Viscosity: N/A
Flash Point (F) TCC.....: N/A	Relative Density: N/A	

Section 10. Stability and reactivity

Special Remarks on Stability.: Stable

Special Remarks on Reactivity.: N/A

Water Reactive.: No

Section 11. Toxicological Information

Routes of Entry.: Inhalation, Skin Absorption, Ingestion

Animal Toxicity.: Acute Oral (LD50) 80 mg/kg (Rat); Acute Oral (LD50) 127 mg/kg (Mouse); Intraperitoneal (LD50) 14mg/kg (Mouse)

Human Toxic Effects.: Target Organs: Respiratory Tract

Potential Acute Health Effects.: Hazardous in case of skin contact, eye, ingestion, inhalation

Potential Chronic Health Effects.: Chromium VI Oxide: IARC Code 1, OSHA Carcinogen

Section 12. Ecological Information

Ecological Information.: N/A

Section 13. Disposal Considerations

Waste Disposal.: Dispose of in accordance with local, state and federal laws.

Section 14. Transport Information

DOT Identification.: UN1755, Chromic Acid Solution, 8, II

Section 15. Regulatory Information

State Regulations.: New York release reporting list: N/A

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Chromium VI Oxide	1333-82-0	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date.: 3/15/2023

Reviewed by.: Admin

MSDS Group Id.: 31

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.