



HAZTECH
SYSTEMS,[™]
INC.

Material Safety Data Sheet



HMIS

Health Hazard	2
Fire Hazard	0
Reactivity	1



PPE (See Section 15)

Section 1. Chemical Product and Company Identification

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Trade Name	Chloride Test 2	Code	RE2129
Manufacturer	HazTech Systems, Inc. P.O. Box 929 Mariposa, CA 95338	CAS #	7784-01-2
Commercial Name	Silver (I) chromate	RTECS	
Synonym	Not available	TSCA	
Chemical Name	Not Available	CI #	Not Available
Chemical Family	Not Available		
Chemical Formula			
Supplier	Alfa Aesar, A Johnson Matthey Co. 30 Bond St. Ward Hill, MA 01835-6300		

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-337-2497
Spectrum Chemical Mfg. Corp. 310-516-8000

Section 2. Composition and Information on Ingredients

Exposure Limits

Name	CAS #	TWA (mg/m3)	STEL	CEIL (mg/m3)	% by Weight
Silver(I)Chromate	7784-01-2				100%

Toxicological Data
on Ingredients

Section 3. Hazards Identification

Potential Acute
Health Effects

Potential Chronic
Health Effects



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Section 4. First Aid Measures

Eye Contact <input type="checkbox"/>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<input type="checkbox"/>	
Skin Contact	Immediately remove any clothing soiled by the product. Wash with water and soap, rinse thoroughly. Seek immediate medical attention. <input type="checkbox"/>
<input type="checkbox"/>	
<input type="checkbox"/>	
Inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical attention. <input type="checkbox"/>
<input type="checkbox"/>	
Ingestion	Seek immediate medical attention. <input type="checkbox"/>
<input type="checkbox"/>	

Section 5. Fire and Explosion Data

Flammability	Contact with combustible material may cause fire.
Auto-Ignition Temperature	Not determined
Flash Point	Not applicable. <input type="checkbox"/>
<input type="checkbox"/>	
Flammable Limits	Not determined.
<input type="checkbox"/>	
<input type="checkbox"/>	
Products of Combustion <input type="checkbox"/>	This substance is an oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
<input type="checkbox"/>	
Fire Hazards in Presence of Various Substances <input type="checkbox"/>	Not available.
<input type="checkbox"/>	
Explosion Hazards in Presence of Various Substances <input type="checkbox"/>	Not available.
<input type="checkbox"/>	
Fire Fighting Media and Instructions <input type="checkbox"/>	Product is not flammable. Use fire fighting measures that suit the surrounding fire.
<input type="checkbox"/>	
Special Remarks on Fire Hazards <input type="checkbox"/>	Not available.
<input type="checkbox"/>	
Special Remarks on Explosion Hazards	Not determined.

Section 6. Accidental Release Measures

Person-related safety precautions <input type="checkbox"/>	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
<input type="checkbox"/>	
Measures for environmental protection.	Do not allow material to be released to the environment without proper governmental permits.
Measures for cleaning/collecting.	Use neutralizing agent. Dispose contaminated material as waste according to item 13.
Additional information.	See section 7 for information on safe handling. See section 8 for information on personal protection equipment. See section 13 for disposal information.



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Section 7. Handling and Storage

Precautions Keep container tightly sealed. Store in a cool, dry place in tightly closed containers. Open and handle container with care. Substance can reduce the ignition temperature of flammable substances. This substance is an oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.

Storage Store away from flammable substances. Store away from reducing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Personal Protection Use suitable respirator when high concentrations are present.
Impervious gloves
Safety glasses/goggles
Full face protection
Protective work clothing.

Section 9. Physical and Chemical Properties

Form Powder

Color Red-brown

Odor Odorless

Boiling Point Not determined

Melting Point Not determined

Sublimation temperature Not determined.

Vapor Pressure Not determined

Vapor Density At 20 deg. C: 5.63g/cm

Solubility Slightly soluble.

Section 10. Stability and Reactivity Data

Stability Instability will not occur if used and stored according to specifications.

Instability Temperature Not determined

Conditions of Instability Not determined.

Incompatibility with Various Substances Reducing agents, easily oxidized materials. Organic materials. Acids. Heat.

Dangerous reactions Reacts with reducing agents. Reacts with flammable materials.

Dangerous products of decomposition Toxic metal oxide fume.



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Section 11. Toxicological Information

Acute toxicity: on the skin: Corrosive effect on skin and mucous membranes. Irritant to skin and mucous membranes.

on the eye: Strong corrosive effect. Irritating effect.

Chronic Effects
on Humans

Chromium (VI) may cause skin ulceration, gastrointestinal irritation with vomiting and diarrhea, kidney and liver damage. Overexposure may be fatal. Dusts are extremely irritating to the eyes, nose, throat and bronchial tubes. May cause cancers of the lungs, nasal cavity, sinuses, stomach and larynx. Absorption of silver compounds by ingestion, inhalation or through broken skin can cause argyria, a permanent bluish-grey discoloration of the skin, conjunctiva and mucous membranes.

Other Toxic Effects
on Humans

Corrosive materials are acutely destructive to the respiratory tract, eyes, skin and digestive tract. Eye contact may result in permanent damage and complete vision loss. Inhalation may result in respiratory effects such as inflammation, edema, and chemical pneumonitis. May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Ingestion may cause damage to the mouth, throat and esophagus. May cause skin burns or irritation depending on the severity of the exposure. Chromates may cause ulceration and perforation of the nasal septum, liver and kidney damage, and ulceration of the skin.

Special Remarks on Other
Toxic Effects on Humans

Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

EPA-A: Human carcinogen: Sufficient evidence from epidemiologic studies to support a casual association between exposure and cancer.

IARC-1: Carcinogenic to humans: Sufficient evidence of carcinogenicity.

NTP-1: Known to be carcinogenic: Sufficient evidence from human studies.

ACGIH A1: Confirmed human carcinogen: Agent is carcinogenic to humans based on epidemiologic studies of, or convincing clinical evidence in, exposed humans.

Section 12. Ecological Information

Do not allow material to be released to the environment without proper governmental permits.

Section 13. Disposal Considerations

Waste Disposal Consult state, local or national regulations to ensure proper disposal.
Disposal must be made according to official regulations.

Section 14. Transport Information

Hazard class 5.1

Identification # UN3087

Packing group III

Proper shipping name Oxidizing solid, toxic, n.o.s. (silver chromate)

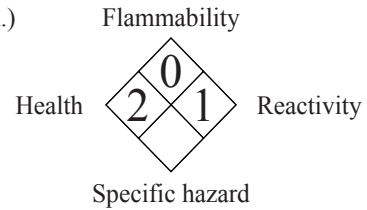
Section 15. Other Regulatory Information

Federal and State Regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.
 This product contains a chemical known to the State of California to cause cancer or reproductive toxicity.



HMIS (U.S.A.)

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Fire Hazard	0
Reactivity	1

National Fire Protection
Association (U.S.A.)**Section 16. Other Information**

Catalog Number(s) RE2129

References

Other Special Considerations

Validated by R. Turkington

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.