



Material Safety Data Sheet



HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name	Lead Test	Part #	RE2041
		CAS #	67-64-1 / 87-88-7
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	RTECS	AL3150000 / Not available
Commercial Name	Chloranilic acid in acetone and water	TSCA	TSCA 8(b) inventory: Acetone Chloranilic acid
Synonyms	2,5-Dichloro-3,6-dihydroxy-1,4-benzoquinone (chloranilic acid)	CI #	
Chemical Formula	C3H6O, C6H2Cl2O4, H2O	In case of emergency contact CHEMTREC (24 hours) at 800-424-9300 HazTech Systems, Inc. 800-543-5487 Spectrum Chemical Mfg. Corp. 310-516-8000	
Supplier	Spectrum Chemical Mfg. Corp. 14422 S. San Pedro St. Gardena, CA 90248		

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m3)	STEL	CEIL (mg/m3)	
Acetone	67-64-1	750	1000		4%
Chloranilic acid	87-88-7				<1%
Water					95%

Toxicological Data on Ingredients	Acetone: ORAL (LD50): Acute: 5800 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].	Chloranilic acid: (LD50): Not available. (LC50): ANot available.
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Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified None. for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN]. The substance is toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire and Explosion Data

Flammability	Non-flammable.
Auto-Ignition Temperature	NA
Flash Point	NA
Flammable Limits	NA
Products of Combustion	NA
Fire Hazards in Presence of Various Substances	NA
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	NA
Special Remarks on Fire Hazards	NA

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Precautions	If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes
Storage	Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Volatility	Not available
Molecular Weight	Not available	Odor Threshold	Not available.
pH (1% Solution in Water)	7 (Neutral)	Water/Oil Dist. Coeff.	Not available
Boiling Point	Not available.	Ionicity (in Water)	Not available
Melting Point	Not available.	Dispersion Properties	Not available
Critical Temperature	Not available	Solubility	Water
Specific Gravity	Not available.	Odor	Not available.
Vapor Pressure	Not available.	Taste	Not available
Vapor Density	Not available.	Color	Colorless

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

Section 11. Toxicological Information

Route of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5800 mg/kg (Rat). Acute dermal toxicity (LD50): 20000 mg/kg (Rabbit). Acute toxicity of the vapor (LC50): 29853 4 hours (Rat.).
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. TERATOGENIC EFFECTS: Classified None. for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN]. Causes damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not regulated

Identification Not applicable

Special Provisions for Transport The solution is in a 95% aqueous solution and therefore is NOT flammable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations
 Pennsylvania RTK: Acetone
 Massachusetts RTK: Acetone
 TSCA 8(b) inventory: Acetone. Chloranilic acid
 CERCLA: Hazardous substances.: Acetone

California Proposition 65 Warnings California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Acetone

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS D-2A: Material causing other toxic effects.

DSCL (EEC) R36- Irritating to eyes.
 R60- May impair fertility.

Section 16. Other Information

Part Number(s) RE2041

References Not available.

Other Special Considerations Not available.

Validated by R. Houghton 10/9/02

Verified by R. Turkington

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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, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.