



MSDS

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

MATERIAL SAFETY DATA SHEET

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 813-248-0585 (call Collect)

1. Product Identification

Product Code: 4347-4354

Product Description: Color Standards-glass ampoules
Codes #4347 - #4354

Manufactured By: LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
	7647-01-0 Hydrochloric Acid	<0.1		
	16921-30-5 Potassium Hexa-Chloroplatinate	0.01		
	7791-13-1 Cobalt Chloride Hexahydrate	<0.01		
	7732-18-5 Water	>99		

3. Hazards Overview

Primary Route Of Entry: Ingestion Skin

May be irritating to eyes, nose and skin. May cause allergic skin reaction.

HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 1 **Flammability:** 0 **Reactivity:** 0

Carcinogenicity: Yes: IARC

Other Health Related Comments:

Cobalt chloride may be a possible carcinogen and mutagen, based on animal studies.

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4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes.

Skin Contact: Flush with water. Remove affected clothing and wash skin with soap and water.

Ingestion: Rinse mouth, drink glass of water and consult physician.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: May emit hydrogen gas upon contact with metal.

6. Accidental Release Measures

Cover spill with sodium bicarbonate. Scoop up slurry and wash down drain with excess water.

7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygenic Practices: Avoid contact with skin and clothing.

9. Physical & Chemical Properties

Appearance: Clear Yellow Liquid

Solubility In Water: Soluble

Odor: none

pH: 2

Vapor Density: <1(Air=1)

Vapor Pressure: <17 @ 20 deg C

Boiling Point: >100 deg C

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Metals, strong bases

Hazardous Decomposition Products: Hydrogen chloride gas

11. Toxicological Information

orl rabbit LD50: 900 mg/kg for hydrochloric acid, concentrated

Target Organs: Skin

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Information Not Yet Available

Neutralize with sodium bicarbonate and wash down drain with water. Dispose according to federal, state and local regulations.

Not Regulated For Transport

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		

[illegible]

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Ingredient	--- SARA 311/312 ---					----- Australia -----		This MSDS Is WHMIS Compliant
	Acute	Chronic	Fire	Pressure	Reactivity	Hazchem Code	Poison Schedule	

product 4347-4354
as a whole

16. Other Information

Prepared By: Regulatory Affairs Department

Revised: 7/11/2009
