



# 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:** 6697

**Product Description:** Formaldehyde Reagent #1

**Manufactured By:** LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

### 2. Composition/Information On Ingredients

| Hazard | CAS#/Name  | %       | PEL                                 | TLV                    |
|--------|--|---------|-------------------------------------|------------------------|
| Yes    | 7487-94-7<br>Mercuric Chloride                               | 1       | C 0.1 mg/cubic m (skin)             | 0.1 mg/cubic m (as Hg) |
| Yes    | 7647-01-0<br>Hydrochloric Acid                               | <0.1    | Ceiling 5 ppm (7mg/m <sup>3</sup> ) | Ceiling 2 ppm          |
| Yes    | 7447-40-7<br>Potassium Chloride                              | 0.6     | N/E                                 | N/E                    |
| Yes    | 6381-92-6<br>Ethylenediamine tetraacetic acid, disodium salt | <.01    | None Established                    | None Established       |
| No     | 7732-18-5<br>Water   | to 100% | None Established                    | None Established       |



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## **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:** No eating or smoking while handling. Wash hands after handling.

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## **9. Physical & Chemical Properties**

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** 2

**Vapor Density:** Unknown

**Vapor Pressure:** <17 @ 20° C

**Boiling Point:** >100° C

**Melting Point:** Unknown

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** N/A

**Incompatibility (Materials To Avoid):** N/A

**Hazardous Decomposition Products:** Toxic fumes of mercury, NOx when heated to decomposition.

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**11. Toxicological Information**

Highly toxic! For mercuric chloride--Oral hmn LDLo: 29 mg/kg; oral rat LD50: 1 mg/kg

**Target Organs:** Kidneys Liver Central Nervous System Brain

**12. Ecological Information**

Information Not Yet Available

**13. Disposal Considerations**

Any free liquid waste may be treated with ammonium hydroxide to precipitate the mercury. The precipitated mercury "sludge" must be disposed of as hazardous waste in accordance with federal, state and local regulations.

**14. Transportation Information**

Not Regulated For Transport

**15. Regulatory Information****Chemical Inventory Status**

| Hazard | Ingredient                                | USA  | Europe | --- Canada --- |      | Australia | Japan |
|--------|---|------|--------|----------------|------|-----------|-------|
|        |   | TSCA | EC     | DSL            | NDSL |           |       |
| Yes    | 7487-94-7<br>Mercuric Chloride            | Yes  | Yes    | Yes            | No   | Yes       | Yes   |
| Yes    | 7647-01-0<br>Hydrochloric Acid            | Yes  | Yes    | Yes            | No   | Yes       | Yes   |
| Yes    | 7447-40-7<br>Potassium Chloride           | Yes  | Yes    | Yes            | No   | Yes       | Yes   |
| Yes    | 139-33-3<br>EDTA disodium salt, anhydrous | Yes  | Yes    | Yes            | No   | Yes       | Yes   |
| No     | 7732-18-5<br>Distilled Water              | Yes  | Yes    | Yes            | No   | Yes       | Yes   |

**Federal, State, & International Regulations**

| <b>Ingredient</b>                         | <b>--- SARA 302 ---</b> |            | <b>----- SARA 313 -----</b> |                          | <b>CERCLA</b> | <b>RCRA<br/>261.33</b> | <b>TSCA<br/>8(D)</b> |
|---|-------------------------|------------|-----------------------------|--------------------------|---------------|------------------------|----------------------|
|   | <b>RQ</b>               | <b>TPQ</b> | <b>Listed</b>               | <b>Chemical Category</b> |               |                        |                      |
| 7487-94-7<br>Mercuric Chloride            | 500                     | 500*       | Yes                         | Mercury comp.            | 1             | No                     | No                   |
| 7647-01-0<br>Hydrochloric Acid            | 5000                    | 500        | Yes                         | No                       | 5000          | No                     | No                   |
| 7447-40-7<br>Potassium Chloride           | No                      | No         | No                          | No                       | No            | No                     | No                   |
| 139-33-3<br>EDTA disodium salt, anhydrous | No                      | No         | No                          | No                       | No            | No                     | No                   |
| 7732-18-5<br>Distilled Water              | No                      | No         | No                          | No                       | No            | No                     | No                   |

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--- SARA 311/312 ---

----- Australia -----

**Hazard Categories**

**Hazchem  
Code**

**Poison  
Schedule**

**This MSDS Is  
WHMIS Compliant**

**Ingredient**    **Acute**    **Chronic**    **Fire**    **Pressure**    **Reactivity**

|   |     |     |    |    |    |                |                |     |
|---|-----|-----|----|----|----|----------------|----------------|-----|
| 7487-94-7<br>Mercuric Chloride            | Yes | Yes | No | No | No | 2X             | S7             |     |
| 7647-01-0<br>Hydrochloric Acid            | Yes | Yes | No | No | No | 2R             | None Allocated |     |
| 7447-40-7<br>Potassium Chloride           | Yes | No  | No | No | No | None Allocated | None Allocated |     |
| 139-33-3<br>EDTA disodium salt, anhydrous | Yes | No  | No | No | No | None Allocated | None Allocated |     |
| 7732-18-5<br>Distilled Water              | No  | No  | No | No | No | None Allocated | None Allocated |     |
| <b>product 6697<br/>as a whole</b>        | Yes | Yes | No | No | No | 2X             | None Allocated | Yes |

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**16. Other Information**

Store in safe place (poison) out of reach of children.

**Prepared By:** Regulatory Affairs Department

**Revised:** 7/5/2002

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