



# 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:** 5702

**Product Description:** Nitrogen Extracting Solution

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

### 2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	7647-01-0 Hydrochloric Acid	0.8	Ceiling 5 ppm (7mg/m <sup>3</sup> )	Ceiling 2 ppm
No	9003-05-8 Magnifloc 905N (polyacrylamide flocculant)	<0.1	None Established	None Established
No	7732-18-5 Water	to 100%	None Established	None Established

### 3. Hazards Overview

**Primary Route Of Entry:** Skin Ingestion

Vapors and liquid cause irritation to eyes, skin and respiratory system. Harmful if swallowed.

#### HMIS Hazard

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

Health: 1      Flammability: 0      Reactivity: 1

**Carcinogenicity:** None:

**Other Health Related Comments:**

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#### **4. First Aid Measures**

**Eye Contact:** Flush with water for 15 minutes. Consult physician if irritation persists.

**Skin Contact:** Flush with water. Remove affected clothing and wash skin with soap and water. Consult physician if irritation develops.

**Ingestion:** Do not induce vomiting. Drink large quantity of water. Consult physician.

**Inhalation:** Remove to fresh air.

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#### **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:** N/A

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#### **6. Accidental Release Measures**

Wear PPE. Neutralize spill with alkaline material (bicarb/lime/soda ash), scoop up neutralized slurry, containerize, & hold for disposal. Dispose according to federal, state, & local regulations. If permitted, rinse slurry to drain with excess water.

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#### **7. Handling & Storage**

Keep in tightly closed container. Store in cool, dry area out of direct sunlight and away from heat and incompatible materials.

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## **8. Exposure Controls/Personal Protection**

### **Ventilation**

Normal

### **Protection When Handling**

Eye Protection Gloves Lab Coat

**Work/Hygenic Practices:** Avoid contact with skin, eyes, and clothing. Wash after handling.

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

**Appearance:** Clear Colorless Liquid

**Solubility In Water:** Soluble

**Odor:** None

**pH:** <1

**Vapor Density:** <1(Air=1)

**Vapor Pressure:** ca.17 mm Hg @20° C

**Boiling Point:** ca.100° C

**Melting Point:** N/A

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## **10. Stability & Reactivity**

**Stable:** Yes

**Conditions To Avoid:** Heat, light

**Incompatibility (Materials To Avoid):** Metals

**Hazardous Decomposition Products:** N/A

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## **11. Toxicological Information**

Oral rabbit LD50: 900 mg/kg for hydrochloric acid concentrated; investigated as a tumorigen, mutagen, reproductive effector.

**Target Organs:** Corrosive to all body parts Eyes Skin

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## **12. Ecological Information**

Information Not Yet Available

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## **13. Disposal Considerations**

Dispose according to federal, state, and local regulations.

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## **14. Transportation Information**

**Proper Shipping Name:**

**DOT:** HYDROCHLORIC ACID

**IATA:** HYDROCHLORIC ACID

**Hazard Class/Div:**

**DOT:** 8

**IATA:** 8

**UN:** 1789

**Packing Group:** III

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## **15. Regulatory Information**

### **Chemical Inventory Status**

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	7647-01-0 Hydrochloric Acid	Yes	Yes	Yes	No	Yes	Yes
No	9003-05-8 Polyacrylamide polymer	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

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**Federal, State, & International Regulations**

<b>Ingredient</b>	<b>--- SARA 302 ---</b>		<b>----- SARA 313 -----</b>		<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8(D)</b>
	<b>RQ</b>	<b>TPQ</b>	<b>Listed</b>	<b>Chemical Category</b>			
7647-01-0 Hydrochloric Acid	5000	500	Yes	No	5000	No	No
9003-05-8 Polyacrylamide polymer	No	No	No	No	No	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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

7647-01-0 Hydrochloric Acid	Yes	Yes	No	No	No	2R	None Allocated
9003-05-8 Polyacrylamide polymer	No	No	No	No	No	None Allocated	None Allocated
7732-18-5 Distilled Water	No	No	No	No	No	None Allocated	None Allocated

<b>product 5702 as a whole</b>	Yes	No	No	No	No	None Allocated	None Allocated	Yes
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**16. Other Information**

Keep out of reach of children.

**Prepared By:** Regulatory Affairs Department**Revised:** 9/14/2009

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