



PO Box 329 • 802 Washington Avenue • Chestertown, MD 21620 • USA
 Telephone Number For Information 410-778-3100

24 Hour Emergency Number (CHEM-TEL) 800-255-3924

MSDS

Material Safety Data Sheet

1. Product Identification

| | | | |
|-----------------------------|-------------------------|-------------------------|--|
| Product Code: | 7866 | Manufactured By: | LaMotte Company |
| Product Description: | Aluminum Buffer Reagent | | 802 Washington Avenue Chestertown, MD 21620 |

2. Composition/Information on Ingredients

| Hazardous | Name | CAS # | % | OSHA PEL | ACGIH TLV |
|-----------|----------------------------|-----------|------|-------------|--------------|
| Yes | Acetic Acid | 64-19-7 | <0.1 | 10 ppm | 25 ppm |
| Yes | Sodium Acetate, trihydrate | 6131-90-4 | 14 | N/E | N/E |
| No | Water to 100% | 7732-18-5 | >85 | | |

3. Hazards Overview

Primary Route of Entry: Skin
 May be irritating to eyes and skin on contact.

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)

Health: 0 Flammability: 0 Reactivity: 0

Carcinogenicity: None

Other Health Related Comments:

4. First Aid Measures

- Eye Contact:** Flush thoroughly with water for 15 minutes.
- Skin Contact:** Flush with water. Wash with soap and water.
- Ingestion:** Drink plenty of water. Consult physician if symptoms appear.
- Inhalation:** N/A

5. Fire Fighting Measures

Flash Point: N/A **LEL:** N/A **UEL:** N/A

Fire Rating

- Extinguishing Media:** Not a fire hazard
- Special Fire Fighting Procedures:** N/A
- Hazardous Combustion and/or Decomposition Products:** CO_x
- Unusual Fire & Explosion Hazard:** N/A

Product Code: 7866

Product Description: Aluminum Buffer Reagent

6. Accidental Release Measures

Mop up. Wash down drain with excess water.

7. Handling & Storage

Store in cool, ventilated area.

8. Exposure Controls/Personal Protection

Ventilation

Use with adequate ventilation.

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygienic Practices: Avoid contact with eyes and skin.

9. Physical & Chemical Properties

| | | | |
|-----------------------------|------------------------|------------------------|-------------------|
| Appearance: | Colorless Clear Liquid | Boiling Point: | Unknown |
| | | Melting Point: | N/A |
| | | pH: | 6 |
| Odor: | Vinegar | Vapor Density: | <1 (Air=1) |
| Solubility in Water: | Soluble | Vapor Pressure: | <17 mm @ 20 deg C |

10. Stability & Reactivity

Stable: Yes
Conditions to Avoid: Temperature extremes
Materials to Avoid: N/A

Hazardous Decomposition Products: CO_x

11. Toxicological Information

non-toxic

Target Organs: N/A

12. Ecological Information

Information not Available

13. Disposal Considerations

Wash down drain with excess water. Dispose according to federal, state and local regulations.

14. Transport Information

Not regulated for transport

Product Code: 7866

Product Description: Aluminum Buffer Reagent

15. Regulatory Information

Chemical Inventory Status

| Ingredient | USA | Europe | ---Canada--- | | Australia | Japan |
|--|-------------|---------------|---------------------|-------------|------------------|--------------|
| | TSCA | EC | DSL | NDSL | | |
| Acetic Acid (64-19-7) | Yes | Yes | Yes | No | Yes | Yes |
| Sodium Acetate Anhydrous (127-09-3) | Yes | Yes | Yes | No | Yes | Yes |
| Water | | | | | | |

Federal, State, & International Regulations

| Ingredient | ---SARA 302--- | | ----- SARA 313 ----- | | | RCRA 261.33 | TSCA 8(D) |
|--|-----------------------|------------|-----------------------------|--------------------------|---------------|------------------------|----------------------|
| | RQ | TPQ | Listed | Chemical Category | CERCLA | | |
| Acetic Acid (64-19-7) | No | No | No | No | No | No | No |
| Sodium Acetate Anhydrous (127-09-3) | No | No | No | No | No | No | No |
| Water | | | | | | | |

| Ingredient | ----- SARA 311/312 ----- | ----- Australia ----- | | This MSDS is WHMIS Compliant |
|---|--|------------------------------|----------------------------|---|
| | Hazard Categories | Hazchem Code | Poison Schedule | |
| Acetic Acid (64-19-7) | Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: Yes (Pure/Liquid) | 2P | S6 | |
| Sodium Acetate Anhydrous (127-09-3) | Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (Pure/Solid) | None allocated | None allocated | |
| For #7866 product liquid, mixture taken as a whole | Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No | | | Yes |

16. Other Information

Prepared By: IP

Revised: 2/28/2005



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MSDS

Material Safety Data Sheet

1. Product Identification

Product Code:

7865

Manufactured By:

LaMotte Company

Product Description:

Aluminum Inhibitor Reagent

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information on Ingredients

| Hazardous | Name | CAS # | % | OSHA PEL | ACGIH TLV |
|-----------|----------------------|-----------|----|-------------|--------------|
| Yes | D-araboascorbic Acid | 89-65-6 | 5 | N/E | N/E |
| Yes | Sodium Chloride | 7647-14-5 | 95 | N/E | N/E |

3. Hazards Overview

Primary Route of Entry: Inhalation Skin

May irritate eyes, nose, skin.

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)

Health: 1 Flammability: 0 Reactivity: 0

Carcinogenicity: None

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Flush with water. Wash with soap and water.

Ingestion: Rinse out mouth. Drink 1 - 2 glasses of water. Consult physician.

Inhalation: Move to fresh air.

5. Fire Fighting Measures

Flash Point: N/A **LEL:** N/A **UEL:** N/A

Fire Rating

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: N/A

Hazardous Combustion and/or Decomposition Products: CO_x

Unusual Fire & Explosion Hazard: May emit toxic fumes under fire conditions.

Product Code: 7865

Product Description: Aluminum Inhibitor Reagent

6. Accidental Release Measures

Avoid raising dust. Sweep up. Wash down drain with excess water.

7. Handling & Storage

Store in cool, dry ventilated area.

8. Exposure Controls/Personal Protection

Ventilation

Use with adequate ventilation.

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygienic Practices: Avoid contact with eyes and skin. Wash after handling.

9. Physical & Chemical Properties

| | | | |
|-----------------------------|----------------|------------------------|------------------------|
| Appearance: | White Crystals | Boiling Point: | Unknown |
| | | Melting Point: | Unknown |
| | | pH: | 3 (0.1g in 10mL water) |
| Odor: | None | Vapor Density: | N/A |
| Solubility in Water: | Soluble | Vapor Pressure: | N/A |

10. Stability & Reactivity

Stable: Yes
Conditions to Avoid: N/A
Materials to Avoid: N/A

Hazardous Decomposition Products: CO_x

11. Toxicological Information

Non-toxic

Target Organs: N/A

12. Ecological Information

Information not Available

Product Code: 7865**Product Description: Aluminum Inhibitor Reagent**

13. Disposal Considerations

Wash down drain with excess water. Dispose according to federal, state and local regulations.

14. Transport Information

Not regulated for transport

15. Regulatory Information**Chemical Inventory Status**

| Ingredient | USA | Europe | ---Canada--- | | Australia | Japan |
|----------------------|-------------|---------------|---------------------|-------------|------------------|--------------|
| | TSCA | EC | DSL | NDSL | | |
| D-araboascorbic Acid | Yes | Yes | Yes | No | Yes | ? |
| Sodium Chloride | Yes | Yes | Yes | No | Yes | Yes |

Federal, State, & International Regulations

| Ingredient | ---SARA 302--- | | ----- SARA 313 ----- | | | RCRA 261.33 | TSCA 8(D) |
|----------------------|-----------------------|------------|-----------------------------|--------------------------|---------------|------------------------|----------------------|
| | RQ | TPQ | Listed | Chemical Category | CERCLA | | |
| D-araboascorbic Acid | No | No | No | No | No | No | No |
| Sodium Chloride | No | No | No | No | No | No | No |

| Ingredient | ----- SARA 311/312 ----- | ----- Australia ----- | | This MSDS is WHMIS Compliant |
|---|--|------------------------------|----------------------------|---|
| | Hazard Categories | Hazchem Code | Poison Schedule | |
| D-araboascorbic Acid | Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (pure/solid) | None Allocated | None allocated | |
| Sodium Chloride | Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (pure/solid) | None Allocated | None allocated | |
| For reagent #7865 product mixture as a whole | Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No | | | Yes |

16. Other Information**Prepared By: IP****Revised: 2/28/2005**