



Material Safety Data Sheet
Murexide indicator, dry form APHA

Section 1 - Chemical Product and Company Identification

MSDS Name:

Murexide indicator, dry form APHA

Catalog Numbers:

LC17510

Synonyms:

Ammonium purpurate acid indicator with sodium chloride; murexide indicator (dry) for calcium hardness-APHA

Company Identification:

LabChem, Inc.
 200 William Pitt Way
 Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300 or
 (011) 703-527-3887

Section 2 - Composition, Information on Ingredients

| CAS# | Chemical Name: | Percent |
|-----------|-------------------------|---------|
| 7647-14-5 | Sodium chloride | 99.8 |
| 3051-09-0 | ammonium purpurate acid | 0.2 |

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

*Appearance: Purple-red**May cause skin irritation. May cause dermatitis.**Target Organs: None known.***Potential Health Effects****Eye:**

Exposure to solid may cause pain and redness.

Skin:

May cause skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion:

Large amounts cause nausea, vomiting, convulsions, twitching leading to coma, dehydration, congestion of internal organs, brain.



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Inhalation:

May cause respiratory tract irritation.

Chronic:

Prolonged or repeated skin contact may cause defatting and dermatitis. May cause conjunctivitis.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Give conscious victim 2-4 cupful of milk or water. Get medical aid at once. Give oxygen if respiration is depressed. Induce vomiting (touch finger to back of throat) keeping head lower than hips (prevent aspiration into lungs).

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7647-14-5: Not published.

CAS# 3051-09-0: Not published.

Explosion Limits:

Lower: Upper:

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Area may be washed down with water.



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Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

Storage:

Store protected from moisture. Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

| Chemical Name: | ACGIH | NIOSH | OSHA |
|-------------------------|--|--|--|
| Sodium chloride | None of the components are on this list. | None of the components are on this list. | None of the components are on this list. |
| Ammonium purpurate acid | None of the components are on this list. | None of the components are on this list. | None of the components are on this list. |

OSHA Vacated PELs

Personal Protective Equipment

Eyes:

Wear dust-proof goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Protective garments not normally required.

Respirators:

Not required for normal use. Wear a dust mask at high levels.

Section 9 - Physical and Chemical Properties

Physical State: Crystals

Color: Purple-red

Odor: Odorless

pH: Neutral

Vapor Pressure: 1 mm Hg @ 865C

Vapor Density: No information found.

Evaporation Rate: No information found.

Viscosity: No information found.

Boiling Point: 2575°F (1,412.78°C)

Freezing/Melting Point: 1474°F (801.11°C)

Decomposition Temperature: No information found.

Solubility in water: Slightly soluble.



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Specific Gravity/Density: 2.2

Molecular Formula: No information found.

Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Lithium, metals.

Hazardous Decomposition Products

No information found.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7647-14-5: VZ4725000.

CAS# 3051-09-0 unlisted.

LD50/LC50:

CAS# 7647-14-5:

Oral, mouse: LD50 = 4 gm/kg

Oral, rat: LD50 = 3 gm/kg.

CAS# 3051-09-0:

No information found.

Carcinogenicity:

CAS# 7647-14-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 3051-09-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

No health effects reported; considered an eye, throat irritant. (2) Sodium Chloride is moderately toxic by oral, subcutaneous, intraperitoneal, and intravenous routes. Poisoning affects blood pressure.

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.



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Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7647-14-5 is listed on the TSCA Inventory.

CAS# 3051-09-0 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

None of the components are on this list.

CERCLA/SARA Section 313

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7647-14-5 is listed on Canada's DSL List.

CAS# 3051-09-0 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 3051-09-0 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 23, 1997

Revision Date: November 29, 2010



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