

AmChlor Dry

SAFETY DATA SHEET (SDS)


OSHA Haz Com Standard 29 CFR 1910.1200. Prepared to GHS Rev03.



SECTION 1: Identification

- 1.1. Product identifier
Product Form : Solid Granule
Product Name(s) : AmChlor Dry (Ammonium Chloride)
- 1.2. Recommended use / restrictions of use
: Agricultural fertilizer / plant nutrients. No restrictions.
- 1.3. Details of the supplier of the data sheet
: United Suppliers Inc.
Ames, IA 50010
T 1-515-509-2400
- 1.4. Emergency telephone number
Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazards Identification

- 2.1. Classification of the substance or mixture
: Acute toxicity, 4, oral (H302), eye irritation 2A (H319)
- 2.2. Label elements
Hazard pictograms  GHS07
- Signal word : Warning
- Hazard statements : H302 – Harmful if swallowed
H319 – Causes serious eye irritation
- Precautionary statements : P264 – Wash...thoroughly after handling
P270 – Do not eat, drink or smoke when using this product.
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P301+P312 – If swallowed: call a Poison Center or doctor/physician if you feel unwell
P305+P351+P338 – If in eyes: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 – If swallowed: Rinse mouth
P337+P313 – If eye irritation persists: Get medical advice/attention
- 2.3. Other hazards : No additional hazards
- 2.4. Unknown acute toxicity : No data available

SECTION 3: Composition/information on ingredients

- 3.1. Substance : Not applicable

- 3.2. Mixture

| Ingredient name | Product identifier (CAS No.) | % |
|-------------------|------------------------------|----------|
| Ammonium chloride | 12125-02-9 | 97 – 100 |

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call Poison Control Center or seek medical attention if you feel unwell.
- First-aid measures after skin contact : Remove contaminated clothing/shoes. Wash thoroughly with soap and water. If irritation persists, seek medical attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses. If irritation persists, seek medical attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Give 32 oz. of water. Call Poison Control Center or seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after ingestion : May produce nausea, vomiting, and gastric irritation.
- Symptoms/injuries after skin contact : May cause slight skin irritation and redness.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

: No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water, dry chemical, carbon dioxide.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

: Product is classified as non-flammable. However, toxic fumes may form from burning (HCl, NH₃).

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog to cool exposed containers.
- Protection during firefighting : Wear positive pressure, self-contained breathing apparatus. Avoid fume inhalation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

- Protective equipment : Wear gloves and cover skin. Use eye/face protection.
- Emergency procedures : Ventilate area and evacuate unnecessary personnel.

6.2. Environmental precautions

: Prevent entry to sewers and public surface waters.

6.3. Methods and material for containment and cleaning up

- Clean-up methods : Sweep up and store in containers. Collect wet residue with absorbent material. Store all spill materials in suitable containers for recycle/disposal.

6.4. Reference to other sections

: See Section 7 for safe handling information.
See Section 8 for PPE information.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Safe handling precautions : Avoid contact with skin and eyes. After handling product, remove clothing and launder, and wash hands/exposed skin thoroughly with soap and water. Avoid breathing vapors. Avoid contamination of feed or foodstuffs.
- Fire/explosion precautions : No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Storage is suitable in vessels of following materials: high density polyethylene (HDPE), fiberglass, fiberglass reinforced plastic (FRP). Store in a cool, dry area.
- Incompatible materials : Reactive with strong acids, alkalis, potassium chlorate.

7.3. Specific end use(s)

: No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- ACGIH Threshold Limit Value : TWA: 10 mg/m³; STEL: 20 mg/m³.
- OSHA Permissible Exposure Limit : TWA: 10 mg/m³; STEL: 20 mg/m³.

8.2. Exposure controls

- Appropriate engineering controls : Eyewash stations, showers, adequate ventilation.
- Personal protective equipment : Hand, skin, eye.
- Hand protection : Wear chemical gloves. Glove material: rubber or chemical-resistant.
- Eye protection : Safety goggles or face shield.
- Skin and body protection : Wear long sleeved clothing and other suitable clothing to prevent skin
- Respiratory protection : Work in well ventilated area.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|------------------|-------------------------|----------------------------|---------------------|
| Physical state | : Solid granules | Evaporation rate | : Not determined |
| Color | : White | Flammability | : Non-flammable |
| Odor | : Odorless | Flash point | : None |
| Odor threshold | : No data available | Explosive limit (upper) | : No data available |
| Boiling point | : No data available | Explosive limit (lower) | : No data available |
| Melting point | : 340°C / 644°F | Auto ignition temp. | : No data available |
| Freezing point | : Not applicable | Decomposition temp. | : No data available |
| Vapor pressure | : Not applicable | Partition coefficient | : No data available |
| Vapor density | : Not applicable | Viscosity, kinematic | : No data available |
| pH | : 4.0 – 7.0 | Viscosity, dynamic | : No data available |
| Specific gravity | : 0.7368 | Octanol/Water Part. Coeff. | : No data available |
| Density | : 46 lb./cu ft. (bulk) | | |
| Solubility | : 100% soluble in water | | |

9.2. Other information

: No further information available.

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United Suppliers Inc.

SECTION 10: Stability and reactivity

- 10.1. Reactivity : Not reactive under normal conditions.
- 10.2. Chemical stability : The product is stable under normal ambient conditions.
- 10.3. Possibility of hazardous reactions : No further relevant information available.
- 10.4. Conditions to avoid : Extreme heat, incompatible substances.
- 10.5. Incompatible materials : Alkalis. Strong acids. Potassium chlorate.
- 10.6. Hazardous decomposition products : Decomposition may produce hydrogen chloride gas and ammonia.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Routes of exposure : Skin contact, eye contact, ingestion.
- Skin corrosion/irritation : Causes skin irritation.
- Eye damage/irritation : Causes serious eye irritation.
- Acute toxicity : ATE US (oral) – 500 mg/kg.
- Carcinogenicity : Not classified.
- Reproductive toxicity : Not classified.
- LD50 : Rat (oral) – 1,410 mg/kg.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after ingestion : May cause nausea, vomiting, and gastric irritation.
- NTP (*National Toxicology Program*) : Substance is not listed.
- IARC (*International Agency for Research on Cancer*) : Substance is not listed.

SECTION 12: Ecological information

- 12.1. Toxicity : LC50 – 209 mg/L (*Time: 96 h, Species: Cyprinus carpio*).
- 12.2. Persistence and degradability : No additional information available.
- 12.3. Bioaccumulative potential : No additional information available.
- 12.4. Mobility in soil : Non-persistent when applied using normal agricultural practices.
- 12.5. Other adverse effects : No additional information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Recycle excess product if possible. Dispose of product/container in accordance with local, state, and federal regulations.

13.2. Reference to other sections

: See Section 8 for exposure control information.

SECTION 14: Transport information

14.1. Transport information

UN-Number : UN3077

DOT, ADR, ADN, IATA, IMDG : 3077

UN proper shipping name : Environmentally hazardous substance, solid, n.o.s. (Ammonium Chloride)

Transport hazard class : 9

Class – DOT, ADR, ADN, IATA, IMDG : 9 – Class 9 – Miscellaneous hazardous material

Packing group – DOT, ADR, IMDG, IATA : III – Minor Damage

Environmental hazards: Marine pollutant IMDG : Not classified as a marine pollutant

Transport in bulk according to Annex II of MARPOL 73/78 and : No limit

Special precautions for user : None

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 302 (EHS) : Product is not listed.

SARA 311-312 (TIER II) : Applicable.

SARA 313 (TRI) : Applicable.

15.2. International regulations

Canada : Product is listed on Domestic Substances List.

European Union : Product is not listed.

15.3. US State regulations

: New Jersey / Pennsylvania / Massachusetts: Right-To-Know.

SECTION 16: Other information

16.1. Other information

Date of preparation/last revised : 10/11/2016

For further health, safety, or environmental information on this product, contact : United Suppliers Inc.
Loss Control Dept.
T 1-641-858-2341

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