

AmChlor Basic

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 : Liquid
Product Name(s) : AmChlor Basic (Ammonium Chloride Solution)
- 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	25 – 35
Water	7732-18-5	65 – 75

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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 : Foam, dry chemical, carbon dioxide, water spray, sand.
- 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 : Contain spill and pump into containers. Collect 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	: Liquid	Evaporation rate	: Not determined
Color	: Clear to reddish brown	Flammability	: Non-flammable
Odor	: Slight ammonia	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	: Not applicable	Auto ignition temp.	: No data available
Freezing point	: 10°C / 50°F (salt-out)	Decomposition temp.	: No data available
Vapor pressure	: No data available	Partition coefficient	: No data available
Vapor density	: 1.9	Viscosity, kinematic	: No data available
pH	: 6.0 – 8.0	Viscosity, dynamic	: No data available
Specific gravity	: 1.09	Octanol/Water Part. Coeff.	: No data available
Density	: 9.10 lbs/gal		
Solubility	: Soluble in water		

9.2. Other information

: No further information available.

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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 : UN3082

DOT, ADR, ADN, IATA, IMDG : 3082

UN proper shipping name : Environmentally hazardous substance, liquid, 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

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

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information is designed only as guidance for safe handling, use, storage, transportation, and disposal, and is not to be considered a warranty (express, implied, merchantability or fitness for any particular purpose) or quality specification. The information relates only to the specific material designated therein.