

SAFETY DATA SHEET

1. IDENTIFICATION

Product name: Ammonium Chloride
Product code: A2037
Company: Epoch Master GLOBAL BUSINESS(JIANGSU)INC.
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Revision number: 3.1

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS

Acute toxicity (Oral) Category 4
 Skin corrosion/irritation Category 3
 Serious eye damage/eye irritation Category 2A
 Reproductive toxicity Category 2
 Specific target organ toxicity
 - Single exposure [Category 3] Respiratory tract irritation
 Specific target organ toxicity
 - Repeated exposure [Category 1] Organs

ENVIRONMENTAL HAZARDS

Acute aquatic hazard Category 1
 Long-term aquatic hazard Category 1

Label elements

Pictograms or hazard symbols



Signal word

Hazard statements

Danger
 Harmful if swallowed
 Causes mild skin irritation
 Causes serious eye irritation
 Suspected of damaging fertility or the unborn child
 Causes damage to organs through prolonged or repeated exposure : Organs
 May cause respiratory irritation
 Very toxic to aquatic life
 Very toxic to aquatic life with long lasting effects

Precautionary statements
 [Prevention]

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not breathe dust, fume, mist, vapors or spray.
 Use only outdoors or in a well-ventilated area.
 Avoid release to the environment.
 Do not eat, drink or smoke when using this product.



[Response]

Wash hands and face thoroughly after handling.
Wear protective gloves, protective clothing, face protection.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
If skin irritation occurs: Get medical advice or attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
IF exposed or concerned: Get medical advice or attention.

[Storage]

Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.

[Disposal]

Store locked up.
Dispose of contents and container in accordance with local, regional, national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ mixture: Substance
Components: Ammonium Chloride
Percent: >99.5%(T)
CAS RN: 12125-02-9
Chemical Formula: NH₄Cl

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.
Ingestion: Get medical advice/attention. Rinse mouth.
Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.
Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.
Special protective equipment for firefighters: When extinguishing fire, be sure to wear personal protective equipment

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions: Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned.
Methods and materials for containment and cleaning up: Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.



7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures: Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling.
Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid all contact!

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool, dark and well-ventilated place.
Store under inert gas.
Protect from moisture.
Store locked up.
Store away from incompatible materials such as oxidizing agents.
Hygroscopic

Packaging material: Comply with laws.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust. Also install safety shower and eye bath.

Exposure limits:

ACGIH TLV(TWA): 10 mg/m³ (fume)

ACGIH TLV(STEL): 20 mg/m³ (fume)

Personal protective equipment

Respiratory protection: Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection: Impervious gloves.

Eye protection: Safety goggles. A face-shield, if the situation requires.

Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid

Form: Crystal - Powder

Colour: White - Almost white

Odour: Odorless

pH: 4.0 - 5.5 (200g/L H₂O soln. 25°C)

Melting point/freezing point: 338°C (dec.)

Boiling point/range: 520°C

Flash point: No data available

Flammability or explosive limits:

Lower: No data available

Upper: No data available

Vapour pressure: 0.13kPa/160°C

Relative density: No data available

Solubility(ies):

[Water] Soluble (28.3g/100mL, 25°C)

[Other solvents]

Soluble: Methanol, Glycerol

Insoluble: Ether, Acetone, Ethyl acetate

10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.

Possibility of hazardous reactions: No special reactivity has been reported.

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Hydrogen chloride, Nitrogen oxides (NO_x)



11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	ims-rat LD50:30 mg/kg ipr-mus LD50:485 mg/kg orl-mus LD50:1300 mg/kg orl-rat LD50:1650 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	eye-rbt 100 mg SEV
Germ cell mutagenicity:	cyt-ham-fbr 400 mg/L
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
RTECS Number:	BP4550000

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	No data available
Bioaccumulative potential(BCF):	No data available
Mobility in soil	
Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law (PaM³/mol):	No data available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

Hazards Class:	9: Miscellaneous dangerous goods.
UN-No:	3077
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s.
Packing group:	III
Marine pollutant	Y

15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

16. OTHER INFORMATION

The reference company name of written contents

Company:	Epoch Master GLOBAL BUSINESS(JIANGSU)INC.
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