



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

Ammonium Chloride.

Revision 1
Revision date 2018-09-21

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Ammonium Chloride.
CAS No.	12125-02-9
EC No.	235-186-4
Index No.	017-014-00-8
Product code	NCM0178

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent;
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1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A.
Hotline(s):	Neogen Corporation 1 Quest Park-Moss Hall Road Heywood Lancashire BL97JJ UK. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Acute Tox. 4: H302; Eye Irrit. 2: H319;
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2.2. Label elements

P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of

Ammonium Chloride.

Revision 1
Revision date 2018-09-21

2.2. Label elements

Hazard pictograms	reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation). 
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	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.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P330 - Rinse mouth. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal plant (in accordance with local/regional/national/international regulation).

2.3. Other hazards

Other hazards	This product is not identified as a PBT substance.
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SECTION 3: Composition/information on ingredients

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ammonium Chloride. (Ammonium chloride fume)	017-014-00-8	12125-02-9	235-186-4		90 - 100%	Acute Tox. 4: H302; Eye Irrit. 2: H319;

Full text for all Risk Phrases mentioned in this section are displayed in Section 16. See section 8 for further information.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Ingestion	Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	May cause irritation to skin.

Ammonium Chloride.

Revision 1
Revision date 2018-09-21

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

Ingestion	Ingestion may cause nausea and vomiting.
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4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Alcohol resistant foam, Powder.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.
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6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.
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7.2. Conditions for safe storage, including any incompatibilities

	Store at temperatures between 2 °C and 30 °C. Store in original container. Keep container tightly closed and dry. Protect from moisture.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
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Ammonium Chloride.

Revision 1
Revision date 2018-09-21

Exposure Limit Values

Ammonium Chloride. (Ammonium chloride fume)	ACGIH TLV TWA: 10 mg/m ³	ACGIH TLV STEL: 20 mg/m ³
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: -	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate:.
Eye / face protection	safety glasses with side-shields.
Skin protection - Hand protection	Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	No data is available on this product.
8.2.3. Environmental exposure controls	Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Ammonium Chloride.

Revision 1
Revision date 2018-09-21

9.1. Information on basic physical and chemical properties

State	Powder
Color	White
Odor	Characteristic
Odour threshold	No data available
pH	5
Melting point	335 °C
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions. See section 7 for further information.
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10.2. Chemical stability

	Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

	No precautions required to be mentioned. Stable under normal conditions.
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10.4. Conditions to avoid

	No precautions required to be mentioned.
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10.5. Incompatible materials

	No precautions required to be mentioned.
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10.6. Hazardous decomposition products

	Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke.
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Ammonium Chloride.

Revision 1
Revision date 2018-09-21**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	No data is available on this product. See section 3 for further information.
Skin corrosion/irritation	May cause irritation to skin. See section 3 for further information.
Serious eye damage/irritation	May cause irritation to eyes. See section 3 for further information.
Respiratory or skin sensitisation	May cause sensitization by inhalation and skin contact. See section 3 for further information.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product. See section 3 for further information.
Repeated or prolonged exposure	No data is available on this product. See section 3 for further information.

11.1.2. Mixtures

	See section 3 for further information.
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11.1.3. Hazard Information

	See section 3 for further information.
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11.1.4. Toxicological information

Ammonium Chloride.	Dermal Rat LD50: 2000 mg/kg	Oral Rat LD50: 1410 mg/kg
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	No data is available on this product.
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11.1.5. Hazard Class

	See section 2 for further information.
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11.1.6. Classification Criteria

	See section 2 for further information.
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11.1.7. Information on likely routes of exposure

	Skin contact. Inhalation.
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11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data is available on this product.
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11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data is available on this product.
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11.1.10. Interactive effects

	No data is available on this product.
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11.1.11. Absence of specific data

	No data available.
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11.1.12. Mixture versus substance information

	Not applicable.
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11.1.13. Other information

	Not applicable.
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Ammonium Chloride.

Revision 1
Revision date 2018-09-21**SECTION 12: Ecological information****12.1. Toxicity**

Ammonium Chloride.	Daphnia EC50/48h: 100.0000 mg/l
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Ammonium Chloride. No data available
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations**13.1. Waste treatment methods**

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.
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Disposal of packaging

	Do NOT reuse empty containers. Contact a licensed waste disposal company.
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SECTION 14: Transport information**14.1. UN number**

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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Ammonium Chloride.

Revision 1
Revision date 2018-09-21

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

15.2. Chemical safety assessment

No data is available on this product.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Ammonium Chloride. (Ammonium chloride ((NH ₄)Cl))	Y	N	N	N	N	N	Y	N	N

SECTION 16: Other information

Other information

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Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
Eye Irrit. 2: H319 - Causes serious eye irritation.