

Safety Data Sheet 75444 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/24/2006 Revision date: 10/01/2013 Supersedes: 06/18/2013

Version: 1.1

	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Substance name	: Ammonium Chloride
CAS No	: 12125-02-9
Product code	: LC10972
Formula	: NH4CI
Synonyms	: amchlor / amchloride / ammonii chloridum / ammonium muriate / muriate of ammonia / sal ammoniac / salmiac
BIG no	: 11143
.2. Relevant identified uses of the su	ibstance or mixture and uses advised against
Use of the substance/mixture	: Pharmaceutical product: component Electrolyte Fertilizer Laboratory chemical Chemical raw material Explosive: additive Food industry: additive Veterinary medicine
I.3. Details of the supplier of the safet	ty data sheet
LabChem Inc Jackson's Pointe Commerce Park Building 100 Zelienople, PA 16063 - USA T 412-826-5230 - F 724-473-0647 <u>info@labchem.com</u> - <u>www.labchem.com</u>	00, 1010 Jackson's Pointe Court
1.4. Emergency telephone number	
Emergency number	: CHEMTREC: 1-800-424-9300 or 011-703-527-3887
SECTION 2: Hazards identification	
2.1. Classification of the substance or	r mixture
2.1. Classification of the substance or GHS-US classification	r mixture
	r mixture
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319	r mixture
GHS-US classificationAcute Tox. 4 (Oral)H302Eye Irrit. 2AH3192.2.Label elements	r mixture
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319	
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US)	: CHS07
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS07 : Warning
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling	: CHS07
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	: GHS07 : Warning : H302 - Harmful if swallowed
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) Signal word (GHS-US)	: Warning : H302 - Harmful if swallowed H319 - Causes serious eye irritation : P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective gloves P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician 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 - If swallowed, rinse mouth P337+P313 - If eye irritation persists: Get medical advice/attention
GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	: Warning : H302 - Harmful if swallowed H319 - Causes serious eye irritation : P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective gloves P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician 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 - If swallowed, rinse mouth P337+P313 - If eye irritation persists: Get medical advice/attention

Safety Data Sheet

p Federal Register / Vol. 77. No. 58 / Monday, March 26. 2012 / Rules and Regulations а

according to Federal Register / Vol. 77, No. 58 / Mo	onday, March 26	6, 2012 / Rules and Regulations		
SECTION 3: Composition/inform	ation on i	ngredients		
3.1. Substances				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	GHS-US classification
Ammonium Chloride (Main constituent)		(CAS No) 12125-02-9	100	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measure	es			
First-aid measures general	arre: labo prev Kee	st: artificial respiration or oxyger ured breathing: half-seated. Vic ent asphyxia/aspiration pneumo	 Cardiac arrest: perfore tim in shock: on his bac onia. Prevent cooling by chological aid. Keep the 	airway and respiration. Respiratory m resuscitation. Victim conscious with k with legs slightly raised. Vomiting: v covering the victim (no warming up). e victim calm, avoid physical strain.
First-aid measures after inhalation	: Rem	ove the victim into fresh air. Re	spiratory problems: cor	nsult a doctor/medical service.
First-aid measures after skin contact	: Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.		or if irritation persists.	
First-aid measures after eye contact		e immediately with plenty of wa halmologist if irritation persists.	ter. Do not apply neutra	alizing agents. Take victim to an
First-aid measures after ingestion	First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Doctor: gastri lavage.		if.htm). Consult a doctor/medical	
4.2. Most important symptoms and	effects, both	acute and delayed		
Symptoms/injuries after inhalation		ER INHALATION OF DUST: Co ous membranes. AFTER INHAL		respiratory tract. Irritation of the nasal spiratory difficulties.
Symptoms/injuries after skin contact	: Red	skin.		
Symptoms/injuries after eye contact	: Red	ness of the eye tissue. Irritation	of the eye tissue.	
Symptoms/injuries after ingestion		ER ABSORPTION OF HIGH QU position. Headache. Nausea. Vo		
Symptoms/injuries upon intravenous administration	: No e	ffects known.		
Chronic symptoms		CONTINUOUS/REPEATED EX Itching. AFTER INHALATION		Skin rash/inflammation. Red skin. Dry difficulties.
4.3. Indication of any immediate me	dical attentio	on and special treatment need	ded	
Obtain medical assistance.				
SECTION 5: Firefighting measur	es			
5.1. Extinguishing media				
Suitable extinguishing media	: Ada	ot extinguishing media to the en	vironment.	
Unsuitable extinguishing media	: Noι	insuitable extinguishing media k	known.	

5.2. Special hazards arising from the substance or mixture : DIRECT FIRE HAZARD. Non combustible. INDIRECT FIRE HAZARD. Reactions involving a fire Fire hazard hazard: see "Reactivity Hazard". Explosion hazard : INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard". : On burning: release of toxic and corrosive gases/vapours (hydrogen chloride, ammonia, chlorine, Reactivity nitrous vapours). Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) halogens compounds: (increased) risk of fire/explosion. Reacts with (some) acids: release of toxic and corrosive gases/vapours (hydrogen chloride). Reacts with (some) bases: release of corrosive gases/vapours (ammonia). 5.3. **Advice for firefighters** Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows. **Firefighting instructions** : Dilute toxic gases with water spray.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release meas	sures		
6.1. Personal precautions, protective eq	uipment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	 Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Reactivity hazard: compressed air/oxygen apparatus. Reactivity hazard: gas-tight suit. 		
Emergency procedures	: Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes. In case of hazardous reactions: keep upwind. In case of reactivity hazard: consider evacuation.		
Measures in case of dust release	: In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters.			
6.3. Methods and material for containme	nt and cleaning up		
For containment	: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray. If reacting: dilute toxic gas/vapour with water spray. Take account of toxic/corrosive precipitation water.		
Methods for cleaning up	: Prevent dust cloud formation. Scoop solid spill into closing containers. See "Material-handling" for suitable container materials. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.		
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Comply with the legal requirements. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Avoid raising dust. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.		
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.		
7.2. Conditions for safe storage, including	ng any incompatibilities		
Storage conditions	: Keep container tightly closed.		
Incompatible products	: silver nitrate. Strong oxidizers.		
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources.		
Prohibitions on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. metals.		

ge	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. metals. halogens. water/moisture.
	: Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Keep out of direct sunlight. Meet the legal requirements.

 Special rules on packaging
 :
 SPECIAL REQUIREMENTS: closing, watertight, dry, clean, correctly labelled, meet the legal requirements. Secure fragile packagings in solid containers.

 Packaging materials
 :
 SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: carbon steel, copper.

aluminium.

7.3. Specific end use(s)

Storage area

No additional information available

SECTION 8: Exposure c	ontrols/personal protection	
8.1. Control parameters		
Ammonium Chloride (12125-	02-9)	
USA ACGIH	ACGIH TWA (mg/m³)	10 mg/m ³
USA ACGIH	ACGIH STEL (mg/m ³)	20 mg/m ³
8.2. Exposure controls		
Appropriate engineering controls	Example 2 Emergency eye wash fountains and of any potential exposure.	safety showers should be available in the immediate vicinity
Materials for protective clothing		lo data available. GIVE GOOD RESISTANCE: butyl rubber. LESS RESISTANCE: No data available. GIVE POOR
Hand protection	: Gloves.	
10/01/2013	EN (English)	SDS ID: 75444 3/7

Safety Data Sheet

 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

 Eye protection
 : Safety glasses. In case of dust production: protective goggles.

 Skin and body protection
 : Protective clothing.

 Respiratory protection
 : Dust production: dust mask with filter type P2.

 Thermal hazard protection
 : None necessary.

 SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Solid
Appearance	: Crystalline solid. Crystalline powder.
Molecular mass	: 53.49 g/mol
Colour	: Colourless to white.
Odour	: Odourless.
Odour threshold	: No data available
рН	: 5.0 (10 %)
pH solution	: 10 %
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: Not applicable
Self ignition temperature	: No data available
Decomposition temperature	: > 350 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1.80
Relative density	: 1.5
Density	: 1530 kg/m³
Solubility	: Soluble in water. Soluble in methanol. Soluble in ammonia. Soluble in glycerol. Water: 37 g/100ml Ethanol: 2 g/100ml
Log Pow	: -4.37 (Estimated value)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available
9.2. Other information	
Sublimation point	: 338 °C
VOC content	: Not applicable
Other properties	: Hygroscopic. May sublimate. Substance has acid reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of toxic and corrosive gases/vapours (hydrogen chloride, ammonia, chlorine, nitrous vapours). Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) halogens compounds: (increased) risk of fire/explosion. Reacts with (some) acids: release of toxic and corrosive gases/vapours (hydrogen chloride). Reacts with (some) bases: release of corrosive gases/vapours (ammonia).

10/01/00		00010	. –
Gaseou	ous ammonia.		
10.6.	Hazardous decomposition products		
Oxidizir	zing agent. Strong acids. silver nitrate. Strong reducing agents.		
10.5.	Incompatible materials		
Air con	ontact. Direct sunlight. High temperature. Incompatible materials.		
10.4.	Conditions to avoid		
Contac	act with acids liberates toxic gas.		
10.3.	Possibility of hazardous reactions		
Hygros	oscopic.		
10.2.	Chemical stability		

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.	
Ammonium Chloride (\f)12125-02-9		
LD50 oral rat	1650 mg/kg (Rat)	
Skin corrosion/irritation	Not classified	
	pH: 5.0 (10 %)	
Serious eye damage/irritation	Causes serious eye irritation.	
	pH: 5.0 (10 %)	
Respiratory or skin sensitisation	Not classified	
Germ cell mutagenicity	Not classified	
Carcinogenicity	Not classified	
Reproductive toxicity	Not classified	
Specific target organ toxicity (single exposure)	Not classified	
Specific target organ toxicity (repeated exposure)	Not classified	
Aspiration hazard	Not classified	
Symptoms/injuries after inhalation	AFTER INHALATION OF DUST: Coughing. Irritation of the respiratory tract. Irritation of t mucous membranes. AFTER INHALATION OF FUME: Respiratory difficulties.	he nasal
Symptoms/injuries after skin contact	Red skin.	
Symptoms/injuries after eye contact	Redness of the eye tissue. Irritation of the eye tissue.	
Symptoms/injuries after ingestion	AFTER ABSORPTION OF HIGH QUANTITIES: Change in the haemogramme/blood composition. Headache. Nausea. Vomiting. Mental confusion.	
Symptoms/injuries upon intravenous administration	No effects known.	
Chronic symptoms	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. Red sl skin. Itching. AFTER INHALATION OF FUME: Respiratory difficulties.	kin. Dry

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	Classification concerning the environment: not applicable.
Ecology - water	Maximum concentration in drinking water: 0.50 mg/l (ammonium) (Directive 98/83/EC); 250 mg/l (chloride) (Directive 98/83/EC). Highly toxic to fishes. Harmful to invertebrates (Daphnia). May cause eutrophication.
Ammonium Chloride (12125-02-9)	
LC50 fishes 1	209 mg/l (96 h; Cyprinus carpio; AMMONIA)
EC50 Daphnia 1	161 mg/l (48 h; Daphnia magna; Static system)
LC50 fish 2	1.51 - 2.1 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 2	50 mg/l (96 h; Daphnia magna; Static system)
TLM fish 1	6 mg/l (96 h; Lepomis macrochirus)
Threshold limit algae 1	5 ppm (672 h; Potamogeton sp.; O2 EVOLUTION)
Threshold limit algae 2	< 70 mg/l (240 h; Algae; NITROGEN)
12.2. Persistence and degradability	
Ammonium Chloride (12125-02-9)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
12.3. Bioaccumulative potential	
Ammonium Chloride (12125-02-9)	
Log Pow	-4.37 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable.
12.4. Mobility in soil	

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of waste. Hazardous waste shall be managed responsibly. All entities that store, transport or har hazardous waste shall take the necessary measures to prevent risks of pollution or damage to	12.5. Other adverse effects	
13.1 Waste treatment methods Waste disposal recommendations : Remove waste in accordance with local and/or national regulations. Hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall no the mixed together with other waste. Different types of hazardous waste shall be managed responsible. All entities that shall the the necessary measures to prevent risks of pollution or damaget to people or animals. Precipitate/make insoluble. Remove to an authorized dump (Class 1). Do not discharge into drains or the environment. May be discharged to wastewater treatment installation. Additional information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/96/EC. SECTION 14: Transport information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/96/EC. State during transport information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/96/EC. State during transport (ADR-RID)	No additional information available	
Waste disposal recommendations : Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entite if a risk of poliution or create problems for the turther management of use waste. Shall not be mixed together if this may entit lake the necessary measures to prevent risks of poliution or damage to people or animals. Precipitate/make insoluble. Remove to an authorized dump (Class I). Do n discharged into drains or the environment. May be discharged to wastewater treatment installation. Additional information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/96/EC. SECTION 14: Transport information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/96/EC. Section 14: UN number No dangerous good in sense of transport regulations Not applicable Image: Constraint of the constraint of the environment. May be discharged to wastewater treatment installation. 14.1. UN number No dangerous good in sense of transport regulations Not applicable Image: Constraint of the environment of the environment. 14.3. Additional information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Air transport by sea No additional information available <tr< td=""><td>SECTION 13: Disposal consider</td><td>ations</td></tr<>	SECTION 13: Disposal consider	ations
be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may ential a risk of pollution or create problems for the threft managed reasonsibly. All entities that store, transport or har hazardous waste shall take the necessary measures to prevent risks of pollution or diamage to people or animals. Precipitate/make insoluble. Remove to an authorized dump (Class I). Do n discharge into drains or the environment. May be discharged to wastewater treatment installation. Additional information : LWCA (the Netherlands): KGA category 05. Hazardous waste according to Directive 2008/98/EC. SECTION 14: Transport information In accordance with DOT 14.1 UN number No dangerous good in sense of transport regulations 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Marditional information available SECTION 15: Regulatory information Context information available SECTION 15: Regulatory information SI-1. US Federal regulations Marmonium Chloride (12125-02-9) Listed on the United States TSCA. (Toxic Substances Control Act) inventory Ro (Regoring Lates State State, State, State and the states and the necessary and the states and the	13.1. Waste treatment methods	
2008/98/EC. SECTION 14: Transport information In accordance with DOT 14.1. UN number No dangerous good in sense of transport regulations 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information Cher information Other information Coverland transport No additional information available Transport No additional information available Transport by sea No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's Store Sto	Waste disposal recommendations	together if this may entail a risk of pollution or create problems for the further management of th waste. Hazardous waste shall be managed responsibly. All entities that store, transport or hand hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Precipitate/make insoluble. Remove to an authorized dump (Class I). Do no discharge into drains or the environment. May be discharged to wastewater treatment
In accordance with DOT 14.1. UN number No dangerous good in sense of transport regulations 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (1212-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 15.2. International regulations	Additional information	
14.1. UN number No dangerous good in sense of transport regulations 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information SECTION 15: Regulatory information 15.1. US Federal regulations Mmonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's S000 lb 15.2. International regulations 5000 lb	SECTION 14: Transport informa	tion
No dangerous good in sense of transport regulations 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available No additional information available If transport No additional information available Seccriton 15: Regulatory information 15.1. US Federal regulations Summonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's S00 lb Sit of Lists) : 1500 lb	In accordance with DOT	
14.2. UN proper shipping name Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Mamonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's S000 lb 15.2. International regulations	14.1. UN number	
Not applicable 14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available No additional information available Internation available SECTION 15: Regulatory information SECTION 15: Regulatory information 15.1. US Federal regulations International (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's S000 lb 15.2. International regulations S000 lb	No dangerous good in sense of transport re	egulations
14.3. Additional information Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available Seccritor 15: Regulatory information Seccritor 15: Regulatory information 15.1. US Federal regulations Memonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory Solo Ib RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 Ib 15.2. International regulations State of Listes) :	14.2. UN proper shipping name	
Other information : No supplementary information available. State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport	Not applicable	
State during transport (ADR-RID) : Rail and road transport: not subject to ADR-RID. Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's S000 lb 15.2. International regulations	14.3. Additional information	
Overland transport No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 15.2. International regulations	Other information	: No supplementary information available.
No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's 5000 lb 15.2. International regulations	State during transport (ADR-RID)	: Rail and road transport: not subject to ADR-RID.
No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's 5000 lb 15.2. International regulations	Overland transport	
Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Mmonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 15.2. International regulations		
No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's 5000 lb 15.2. International regulations	Transport by sea	
Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 15.2. International regulations		
No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's 5000 lb 15.2. International regulations		
SECTION 15: Regulatory information 15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 lb 15.2. International regulations		
15.1. US Federal regulations Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 lb 15.2. International regulations		
Ammonium Chloride (12125-02-9) Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 15.2. International regulations		ation
Listed on the United States TSCA (Toxic Substances Control Act) inventory RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 lb 15.2. International regulations	15.1. US Federal regulations	
RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 lb 15.2. International regulations 5000 lb		
List of Lists) : 15.2. International regulations		
		EPA's 5000 lb
CANADA	15.2. International regulations	
	CANADA	

Ammonium Chloride (12125-02-9)	
Listed on the Canadian DSL (Domestic Sustances List) inventory.	
WHMIS Classification Class D Division 2 Subdivision B - Toxic material causing other toxic effects	

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302 Eye Irrit. 2 H319 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R22 Xi; R36 Full text of R-phrases: see section 16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2.2.	National regulations
Ammo	onium Chloride (12125-02-9)
Listed	on the Canadian Ingredient Disclosure List

15.3. US State regulations

No additional information available

SECTION 16: Other information

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
H302	Harmful if swallowed
H319	Causes serious eye irritation

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard
Physical	: 2 Moderate Hazard
Personal Protection	: B

SDS US (GHS HazCom 2012)

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.