

Safety Data Sheet 75444 Control of the second secon Date of issue: 04/14/2015 Version: 1.1

| Auksiance name Ammoniam Chloride CAS No i 2125-02.9 Gronual i 2125-02.9 Gronual i 2125-02.9 Gronual i amchlor / amchloride / ammonii chloridum / ammonium muriate / muriate of ammonia / sall ammoniae / sall amoniae / sall | SECTION 1: Identification of the su | bstance/mixture and of the company/undertaking |
|--|---|---|
| Auksiance name Ammoniam Chloride CAS No i 2125-02.9 Gronual i 2125-02.9 Gronual i 2125-02.9 Gronual i amchlor / amchloride / ammonii chloridum / ammonium muriate / muriate of ammonia / sall ammoniae / sall amoniae / sall | 1.1. Product identifier | |
| CAS No : 12125-02-9 Formula : NH4Cl Synonyms :: amchor / amchor / amchoride / ammonii chloridum / ammonium muriate / muriate of ammonia / sall sall sall sall sall sall sall of the substance of mixture sall sall of the salety data sheet 220 Mitsion Fored 1.40 Emergency number | Product form | : Substance |
| Formula : NH4G Synoryms : archior / anthol/de / antonoli chloidum / antononium muriate / muriate of antononia / sali antonic / saliniac: BG no : 11143 L1. Relevant identified uses of the substance or miniture and uses advised against Use of the substance/muture : Prammesuical product: component Encrotyce Encrotyce Fertilizer Fertilizer Elconotyce Polymesuical area material Chemical raw material Chemical raw material Chemical, Inc. Elconotyce Z29 Millstone Road Food industry: additive Pool industry: additive Food industry: additive Storesard, LA 70618LabChem Inc Elconotyce Tar Zaryosa + Tar Sar Zaryosa CHEMTREC: 1-800-424-8300 or 011-703-527-3887 SECTION 21 Hazards identification Elconotyce Autor Tox 4 (001 H802 Elsonotyce Signal word (OHS-US) : CHEMTREC: 1-800-424-8300 or 011-703-527-3887 Statistication of the substance or mixture Elsonotyce Suppart word (OHS-US) : CHEMTREC: 1-800-424-8300 or 011-703-527-3887 Statistication Elsonotyce Autor tox 4 (001 H802) Elsonotyce Sta | Substance name | : Ammonium Chloride |
| Synoryms : : archiof / archiotids / aminoni chloridum / aminonium muriate / muriate of aminonia / sal armoniac / salmiac BIG no : : 11143 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Pharmaceulical product: component Explosive: additive Explosive: ad | CAS No | : 12125-02-9 |
| Signal word (GHS-US) : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identified solutions or mixture : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identified solutions or mixture : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identified solutions : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identified solutions : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identified solutions : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 22 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 24 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 24 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 25 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 24 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 25 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 24 Hazards Identification : CHEMTREC: 1800-424-9300 or 011-703-527-3887 S2CTION 25 Hazards Identification | Formula | : NH4Cl |
| 2.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Pharmazeutical product: component Electrolyte Fertilizer Laboratory chemical Chemical raw material Chemical raw material Explosive: additive Food industry: additive Food industry: additive Veterinary medicine Food industry: additive 229 Millstone Road Food industry: additive Roussent, LATOSIBLABChem Inc Farrial Science 137 S37 9931 - F 337 837 9555 FOOD industry: additive Ride Generosith Chemical com - www.deep-south-chemical.com Ferrilizer 14. Emergency telephone number Encortol Science Encortol 2: Hazards Identification Encortol Science Station of the substance or mixture Generosith GHS-US classification Encortol Science Station of (CHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : Warning Pare row in the substance or mixture Pare row in throughly after handling Pare add statements (GHS-US) : Warning Haza | Synonyms | |
| Use of the substance/mixture : Pharmaceutical product: component Electrolyte Fertilizer Laboratory chemical Chemical rew material Commical rew material Co | BIG no | : 11143 |
| Electrolyte Fortilizer Laboratory chemical Chemical raw material Explosive: additive Yeterinary medicine 1.3. Details of the supplier of the safety data sheet Deep South Chemical, Inc. 2.2. Milstone Road 320ussand, LA 70518LabChem Inc Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7935 Ta3:A33:7931.7932.7933 Ta3:A33:7931.7932.7933 Ta3:A33:7931.7932.7933 Ta3:A33:7931.7932.7933 Ta3:A33:7931.7932.7933 Ta3:A33:7931.7932.7933 Ta3:A33:7932.7933.793 Ta3:A33:7932.7933.715 Ta3:A33:7932.7933.715 Ta3:A33:7932.715 Ta3:A3 | I.2. Relevant identified uses of the su | bstance or mixture and uses advised against |
| Fertilizer Laboratory chemical Chemical raw material Explosive: additive Veterinary medicine 1.3. Details of the supplier of the safety data sheet Deep South Chemical, Inc. 220 Milstone Road 3trussard, LA 70518LabChem Inc 1337-837-9315 13.7 Bayes and LA 70518LabChem Inc 13.7 137-837-9315 10420 deep south-chemical com - www.deep-south-chemical com 1.4. Energency telephone number Emergency number r Emergency number r Classification of the substance or mixture SHS-US labelling 4azard pictograms (GHS-US) r Veterinary r Signal word (CHS-US) r Varing H302 - Harmful if swallowed H319 - Cuesse serious eye irritation ************************************ | Jse of the substance/mixture | |
| Deep South Chemical, Inc. 229 Millstone Road Broussard, LA 70518LabChem Inc T 337-837-93931 - F 337-837-9565 Info@deep-south-chemical.com 14. Emergency unwher Emergency number Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887 SECTION 2: Hazards identification 21. Classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 22. Label elements GHS-US labelling Hazard pictograms (GHS-US) : Warning Hazard pictograms (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : H302 - Harmful if swallowed H319 - P334 - H1 eye irritation P330 - H1 eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Contrue finism P337 - H1 eye irritation persist: Get medical advice/attention P337 - H373 - H P337 - H1 eye irritation persist: Get medical advice/attention P337 - H373 - H P337 - H P337 - H1 eye irritation persist: Get medical advice/attention P337 - H373 - H P337 - H P337 - H1 eye irritation persist: Get medical advice/attention P337 - H373 - H P337 - H296 - H100 - H100 - H200 - | | Fertilizer Laboratory chemical Chemical raw material Explosive: additive Food industry: additive |
| 229 Millstone Road Broussard, LA 70518LabChem inc 139: 837:939:1937:837:9565 info@deep-south-chemical.com - www.deep-south-chemical.com 14. Emergency telephone number Emergency number SECTION 2: Hazards identification 21. Classification Actual Tox: 4 (Oral) H302 Eye Imt. 2A H319 22. Label elements GHS-US tabelling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Flazard statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eve irritation Precautionary statements (GHS-US) : Warning Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P270 - Do not eat, drink or smoke when using this product P264 - Visa exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P264 - P303 - If is wellowed, rinks or smoke when using this product P270 - Da not eat, drink or smoke when using this product P270 - Do not eat, drink or smoke when using this product P270 - Da not eat, drink or smoke when using this product P270 - D an ot eat, drink or smok | 1.3. Details of the supplier of the safet | y data sheet |
| 229 Millstone Road Broussard, LA 70518LabChem Inc Tayle 37-937-931-931-937-9565 info@deep-south-chemical.com - www.deep-south-chemical.com 14. Emergency tube/hole number Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887 SECTION 2: Hazards identification 2.1. Classification Acute Tox. 4 (Oral) H302 Eye Irni: 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) : Warning Hazard pictograms (GHS-US) : Warning Hazard viewed skin thoroughly after handling Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Waar eye protection, protective gloves P305-P351+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305-P351+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P303 - If swallowed, rinse mouth P305-P351+P313 - If tey ein relaction, protective gloves P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305-P351+P313 - If tey ein relaction, insing P330 - If swallowed, rinse mouth <t< td=""><td>Deep South Chemical, Inc.</td><td></td></t<> | Deep South Chemical, Inc. | |
| T 337-397-9931 - F 337-837-9565 Info@deep-south-chemical.com - www.deep-south-chemical.com 14. Emergency telephone number Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887 SECTION 2: Hazards identification 21. Classification of the substance or mixture GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 22. Label elements GHS-US labelling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, diffic or smoke when using this product P2800 - Wear eye protection, protective gloves P270 - Do not eat, diffic or smoke when using this product P280 - Wear eye protective gloves P270 - Do not eat, diffic or smoke when using this product P280 - Wear eye protective gloves P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305+P351+P331 - If eye irritation persists: Get medical advice/attention P301+P313 - If eye irritation persists: Get medical advice/attention P301 - Dispose of contents/container to comply with local, state and federal regulations 23. Other hazards : None. | • | |
| Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture GHS-US classification Acute Tox. 4 (Oral) H302 Eye Irrit. 2A H319 2.2. Label elements GHS-US labelling Hazard pictograms (GHS-US) : : | T 337-837-9931 - F 337-837-9565 | -south-chemical.com |
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| Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) : 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 P501 - Dispose of contents/container to comply with local, state and federal regulations 2.3. Other hazards | 2.2. Label elements | |
| Hazard pictograms (GHS-US) : | GHS-US labelling | |
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| Hazard statements (GHS-US) H302 - Harmful if swallowed H319 - Causes serious eye irritation Precautionary statements (GHS-US) 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 P501 - Dispose of contents/container to comply with local, state and federal regulations 2.3. Other hazards Other hazards not contributing to the None. | Signal word (GHS-US) | |
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| SECTION 3: Composition/informat | ion on ingred | ients | | |
|--|---------------------------------------|---|---|---|
| 3.1. Substances | | | | |
| Substance type | : Mono- | 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 | | | | |
| I.1. Description of first aid measures | | | | |
| First-aid measures general | arrest: labour preven Keep v | artificial respiration or oxygen ed breathing: half-seated. Vict t asphyxia/aspiration pneumo | Cardiac arrest: performing in shock: on his back nia. Prevent cooling by shological aid. Keep the | airway and respiration. Respiratory n resuscitation. Victim conscious wit with legs slightly raised. Vomiting: covering the victim (no warming up). victim calm, avoid physical strain. |
| First-aid measures after inhalation | : Remov | ve the victim into fresh air. Res | spiratory problems: cons | sult a doctor/medical service. |
| First-aid measures after skin contact | : Rinse | with water. Soap may be used | d. Take victim to a docto | r if irritation persists. |
| ïrst-aid measures after eye contact | | mmediately with plenty of wat Imologist if irritation persists. | ter. Do not apply neutral | lizing agents. Take victim to an |
| First-aid measures after ingestion | vomitir | ng. Call Poison Information Ce | entre (www.big.be/antigit | ts of water to drink. Do not induce f.htm). Consult a doctor/medical adiately to hospital. Doctor: gastric |
| I.2. Most important symptoms and ef | fects, both acute | and delayed | | |
| Symptoms/injuries after inhalation | | R INHALATION OF DUST: Co s membranes. AFTER INHAL | | espiratory tract. Irritation of the nasa piratory difficulties. |
| Symptoms/injuries after skin contact | : Red sk | in. | | |
| Symptoms/injuries after eye contact | | ss of the eye tissue. Irritation | • | |
| Symptoms/injuries after ingestion | | R ABSORPTION OF HIGH QU sition. Headache. Nausea. Vo | • | 0 |
| Symptoms/injuries upon intravenous administration | | ects known. | | |
| Chronic symptoms | | ONTINUOUS/REPEATED EXF ching. AFTER INHALATION (| | kin rash/inflammation. Red skin. Dry difficulties. |
| I.3. Indication of any immediate medi | cal attention and | special treatment needed | | |
| Obtain medical assistance. | | | | |
| SECTION 5: Firefighting measures | | | | |
| 5.1. Extinguishing media | | | | |
| Suitable extinguishing media | : Adapt | extinguishing media to the env | vironment. | |
| Insuitable extinguishing media | : No uns | uitable extinguishing media k | nown. | |
| 5.2. Special hazards arising from the | substance or mix | kture | | |
| Fire hazard | | T FIRE HAZARD. Non combil: see "Reactivity Hazard". | ustible. INDIRECT FIRE | HAZARD. Reactions involving a fire |
| Explosion hazard | : INDIRE | ECT EXPLOSION HAZARD. I | Reactions with explosio | n hazards: see "Reactivity Hazard". |
| Reactivity | : On bur | | rosive gases/vapours (h | ydrogen chloride, ammonia, chloring |

| Reacti | vity | 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). |
|-----------------------------|-------------------------|--|
| 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.
- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus.

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| SECTION 6: Accidental release measures | | | |
|--|---|----|--|
| 6.1. | Personal precautions, protective equipm | ne | nt 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. |
| Emergen | cy 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 | s 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 e | entry to sewers and public waters. | | |
| 6.3. | Methods and material for containment a | nd | cleaning up |
| For conta | inment | : | 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 additio | onal information available | | |
| SECTIC | N 7: Handling and storage | | |
| 7.1. | Precautions for safe handling | | |
| , i | | : | 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 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. halogens. water/moisture. |
| Storage area : | 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)

No additional information available

| SECTION 8: Exposure cor | trols/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/m³) | 20 mg/m ³ | |
| 8.2. Exposure controls | | | |
| Appropriate engineering controls | : Emergency eye wash four of any potential exposure | ntains and safety showers should be available in th | e immediate vicinity |
| Materials for protective clothing | | STANCE: No data available. GIVE GOOD RESIST/ PVC. GIVE LESS RESISTANCE: No data available. vailable. | , |
| Hand protection | : Gloves. | | |
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| 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 0. Physical and chemical properties | | |

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/m ³ | |
| 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).

| 04/14/2015 | 5 EN (English) | 4/7 |
|------------|--|-----|
| Gaseous | s ammonia. | |
| 10.6. | Hazardous decomposition products | |
| Oxidizing | g agent. Strong acids. silver nitrate. Strong reducing agents. | |
| 10.5. | Incompatible materials | |
| | ct. Direct sunlight. High temperature. Incompatible materials. | |
| 10.4. | Conditions to avoid | |
| Contact v | with acids liberates toxic gas. | |
| 10.3. | Possibility of hazardous reactions | |
| Hygrosco | opic. | |
| 10.2. | Chemical stability | |

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SECTION 11: Toxicological information

Information on toxicological effects 11.1.

| 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 the nasal mucous membranes. AFTER INHALATION OF FUME: Respiratory difficulties. |
| 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 skin. Dry skin. Itching. AFTER INHALATION OF FUME: Respiratory difficulties. |

| 2.1. Toxicity | |
|------------------------------------|---|
| cology - general | : Classification concerning the environment: not applicable. |
| cology - 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) |
| 2.2. 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 |
| 2.3. Bioaccumulative potential | |
| Ammonium Chloride (12125-02-9) | |
| Log Pow | -4.37 (Estimated value) |
| | |

No additional information available

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| 12.5. Other adverse effects | |
|--|---|
| No additional information available | |
| SECTION 13: Disposal considerations | |
| 13.1. Waste treatment methods | |
| | 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 entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle 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 not discharge into drains or the environment. May be discharged to wastewater treatment installation. 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 | 3 |
| 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 (12125-02-9) | |
| Listed on the United States TSCA (Toxic Substanc | es Control Act) inventory |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) : | 5000 lb |
| 15.2. International regulations | |
| CANADA | |
| Ammonium Chloride (12125-02-9) | |
| Listed on the Canadian DSL (Domestic Sustances | |
| 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

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| 15.2.2. | National regulations | |
|---|----------------------|--|
| Ammonium 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)

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