

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

Version: 1 Date of issue: 09/02/2015 Date of print: 28.4.2015

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifier AMMONIA Grade: 957019/020
1.2	Relevant identified uses of the substance or mixture and uses advised against <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Professional <input checked="" type="checkbox"/> Consumers Identified uses: ammonia Uses advised against: As they not classified as dangerous, this product can be used other than the identified uses, but all uses have to be consistent safety guidelines provided
1.3	Details of the supplier of the safety data sheet: LA ANTIGUA LAVANDERA, S.L. Ctra. Antigua Sevilla-Alcalá Km.1,5 Apartado de Correos, 58 41500 ALCALA DE GUADAIRA (SEVILLA) Electronic address of the person responsible for the safety data sheet ealcaide@lalavandera.com
1.4	Emergency telephone number: 957 600523 (9:00-13:00 / 15:00-18:00 h.) (working hours) In case of poisoning call a poison control center (Spain): Phone: 91 5620420 (24 hours).

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture <u>Classification according to Regulation (EC) No 1272/2008:</u> The product has not been classified as hazardous according to Regulation(EC) NO 1272/2008 (CLP) <u>Classification according to directive 67/548/CEE and 1999/45/CE:</u> The product has not been classified as hazardous according to Directive 67/548/EEC and Directive 1999/45/EC
2.2	Label elements <u>according to Regulation(EC) n°1272/2008 (CLP)/ GHS (Global harmonized System)</u> Hazard Pictograms: Not applicable Signal word: Not applicable Hazard statement(s): Not applicable Precautionary statement(s)t: Not applicable Additional information: P101- If medical advice is needed, have product container or label at hand. P102- Keep out of reach of children. P103- Read label before use. Do not ingest Avoid contact with eyes and skin. P302 + P352: IF ON SKIN: wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Reed label before use. Contac with acids liberates toxic gas. In case of poisoning call a poison control center (Spain): Phone: 91 5620420. Composition: Contain 2,5 < 5 % de ammonia
2.3	Other hazards: None Know

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010

AMMONIA
Code: 957019/020**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substances

Not applicable

Mixtures.

This product is a mixture.

Chemical Characterization:

Ammonia solution in an aqueous medium

Dangerous components

Substances taking part in a percentage higher than the exemption limits:

2,5 < 5 % ammonia...%
CAS: 1336-21-6, EC: 215-647-6
REACH: 01-2119488876-14
Index n° 007-001-01-2
DSD: C:R34 | N:R50
CLP: Skin Corr. 1B:H314 | STOT SE (irrit.) 3:H335 | Aquatic Acute 1:H400

< ATP22
< REACH / CLP00

For the full text of the H-Statements mentioned in this Section, see SECTION 16.

For the full text of the R-phrases mentioned in this Section, see SECTION 16.

Occupational exposure limits, if available, are listed in SECTION 8

SVHC substances subject to authorization, included in Annex XIV of regulation (EC) n° 1907/2006: noneSVHC substances candidate to be included in Annex XIV of regulation (EC) n° 1907/2006: none

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 4: FIRST AID MEASURES4.1 **Description of first aid measures**

4.2

Most important symptoms and effects, both acute and delayed

In cases of doubt, or when symptoms persist, seek for medical attention. Never give anything by mouth to an unconscious person.

Route of Exposure**Symptoms and effects, both acute and delayed****Description of first aid measures****Inhalation:**

Usually no symptoms.

If symptomatic, move to fresh air.

Dermal:

Usually no symptoms.

Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and mild soap, or another product suitable for skin cleansing.

Eyes:

Usually no symptoms.

Remove contact lenses. Wash eyes with plenty of clean and fresh water, remove contact glasses. Seek medical advice immediately.

Ingestion:

In ingested in large amounts may cause gastrointestinal discomforts

If swallowed, Seek medical advice immediately. Do not induce vomiting because of the risk of aspiration. Keep at rest.

4.3 **Indication of any immediate medical attention and special treatment needed**

The information on product composition has been sent to the Toxicology Information Service (National Institute of Toxicology). In case of poisoning call a poison control center: Phone 91 5620420 (24 hours). Damage of detergents and surfactants in the intestinal mucosa are irreversible. Do not induce vomiting, but perform gastric lavage after addition of dimethicone (defoamer)

SECTION 5: FIREFIGHTING MEASURES5.1 **Extinguishing media**

In case of fire in the surroundings, all extinguishing agents allowed.

5.2 **Special hazards arising from the substance or mixture**

Non-flammable

5.3 **Advice for firefighters**

In case of fire, wear self-contained breathing apparatus and suitable protective clothing, including gloves and eye / face (SECTION 8) Ensuring a long cooling period to prevent re-ignition

SECTION 6: ACCIDENTAL RELEASE MEASURES6.1 **Personal precautions, protective equipment and emergency procedures:**

Avoid direct contact with the product.

6.2 **Environmental precautions**

Avoid contamination of drains, surface or ground water, and soil. For large spills or if the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local legislation.

6.3 **6.3 Methods and material for containment and cleaning up**

Pick up the spill with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc...). Save the remains in a closed container.

6.4 **Reference to other sections:**

SECTION 8
SECTION 13
SECTION 7

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010

AMMONIA
Code: 957019/020**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Comply with the legislation on occupational risk prevention.

General recommendations:

Avoid any type of spill or leak. Do not leave open containers.

Recommendations to prevent risks of fire and explosion:

Not applicable.

Recommendations to prevent toxicological risks:

Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.

Recommendations to prevent contamination of the environment:

It is not considered a danger to the environment. In case of accidental spillage, follow the instructions in Section 6.

7.2 Conditions for safe storage, including any incompatibilities

Forbidden entry to unauthorized persons. Keep out of reach of children. To avoid spills, packages, once opened, they should be closed carefully and placed upright. For more information, see section 10.

Class of store: According to current legislation

Temperature range: min: 5. °C, max: 40. °C

Incompatible materials:

Keep away from oxidizing agents, acids, metals, halogenated compounds

Type of packaging:

According to current legislation..

Threshold amount (Seveso III): Directive 96/82 / EC ~ 2003/105 / EC (RD.1254 / 1999 ~

RD.948 / 2005):

Not applicable.

7.3 Specific end use(s)

There are no particular recommendations for the use of this product other than those already mentioned.

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters:**Occupational exposure limits: (VLA)

INSHT 2012 (RD.39/1997)

Ammonia

VLA - Threshold Limit Value, ED - Long term, EC - Short term

<u>VLA-ED</u>		<u>VLA-EC</u>		<u>Año</u>
ppm	mg/m3	ppm	mg/m3	
20.	14.	50.	36.	2003

Biologist limits Data

No data available

Derived No Effect Level. (DNEL):

No data available

Predicted No Effect Concentration.(PNEC):

No data available

8.2 Exposure control:OCCUPATIONAL EXPOSURE CONTROLS: Directive 89/686 / EEC - 96/58 / EC (RD.1407 / 1992):

Provide adequate ventilation. To do this, you must make good local ventilation and should have a good general extraction.

Respiratory protection:- Mask:

No, unless ventilation is adequate.

Protection of eyes and face:

Install emergency eye in the vicinity of the working area.

- Goggles: Advisable.- Face shield: No.

hands and skin protection:

Install emergency showers close to the working area.

- Gloves: No.- Boots: No.- Apron: No.- Clothing: Advisable.ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.Spills in water: Do not allow into drains, sewers or watercourses. Emissions to the atmosphere: Not applicable

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p><u>Information on basic physical and chemical properties</u></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Form: Liquid. - Color: Colorless. - Odor: characteristic. - Odor Threshold: No data available <p><u>pH value</u></p> <ul style="list-style-type: none"> - pH: 11. a 20°C <p><u>Status change</u></p> <ul style="list-style-type: none"> - Melting point/freezing point: No data available - Initial boiling point and boiling range: No data available <p><u>Density</u></p> <ul style="list-style-type: none"> - Vapor density: Not applicable - Relative density: 1. g/cm3 a 20°C <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature: Not applicable <p><u>Viscosity</u></p> <ul style="list-style-type: none"> - Viscosity dynamic: No data available <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Evaporation rate: Not applicable - Vapor pressure: 17.5 mmHg a 20°C - Vapor pressure: 12.3 kPa a 50°C <p><u>Solubility</u></p> <ul style="list-style-type: none"> - Water solubility: Not applicable - Solubility in fats and oils: No data available - Partition coefficient n-octane/water: Not applicable <p><u>flammability</u></p> <ul style="list-style-type: none"> - Flash point: Not applicable - Upper/lower flammability limits: Not applicable - Auto-ignition temperature: Not applicable <p><u>Explosive properties:</u> Not applicable.</p> <p><u>Oxidizing properties:</u> Not applicable.</p>
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9.2	<p>Other information</p> <ul style="list-style-type: none"> - COV (supply) : Not applicable
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The values indicated do not always coincide with the product specifications. The corresponding data product specifications are available on the product sheet. For more information on physicochemical properties related to safety and environment, see sections 7 and 12

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity No data available
10.2	Chemical stability Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions Possible dangerous reaction with oxidizing agents, acids, metals, halogenated compounds.
10.4	Conditions to avoid - Light: Not applicable. - Air: Not applicable. - Pressure: Not applicable. - Shock: Not applicable.
10.5	Incompatible materials: Keep away from oxidizing agents, acids, metals, halogenated compounds.
10.6	hazardous decomposition products Following thermal decomposition, formation of dangerous products.

SECTION 11: TOXICOLOGICAL INFORMATION

There is no experimental toxicological data on the preparation as such. The toxicological classification for this preparation has been carried by conventional calculation method of the Directive 1999/45 / EC ~ 2006/8 / EC (RD.255 / 2003 ~ OM.PRE / 164/2007).

11.1	Information on toxicological effects <u>Routes of exposure:</u> <u>Short-term exposure:</u> <u>Prolonged or repeated exposure</u> <u>Short-term exposure:</u> <u>Prolonged or repeated exposure:</u> <u>Lethal Concentration:</u> Individual components:			
	Ammonia	<u>LD50</u> (OECD 401) mg/kg oral 350. Rat	<u>LD50</u> (OECD 402) mg/kg dermal	<u>LC50</u> (OECD 403) mg/m3.4hours inhalation 1417. Rat

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 12: ECOLOGICAL INFORMATION

There is no experimental ecotoxicological data on the preparation as such. The ecotoxicological classification for this preparation has been carried by conventional calculation method of the Directive 1999/45 / EC ~ 2006/8 / EC (RD.255 / 2003 ~ OM.PRE / 164/2007)

12.1	<u>Toxicity</u>	<u>LC50 (OECD 203)</u> mg/l.96hours	<u>EC50 (OECD 202)</u> mg/l.48hours	<u>EC50 (OECD 201)</u> mg/l.72hours
	Individual components Ammonia	8.2 fish	0.66 Dafnia	

12.2 Persistence and degradability
Not applicable

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PTB and vPvB assessment
Not applicable (inorganic substance).

12.6 Other adverse effects
Potential decrease in the ozone layer: Not available.
Potential photochemical ozone creation potential: Not available.
Potential warming: Not available.
Potential endocrine disrupting potential: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Directive 2008/98 / CE (Law 22/2011)
 Take all necessary measures in order to minimize waste production. Analyze possible methods for revaluation or recycling. Do not discharge into drains or the environment. Dispose to an authorized waste collection point. The Waste should be handled and disposed of in accordance with local and national regulations. For exposure controls and personal protection measures, see section 8.

Elimination empty containers: Directive 94/62 / EC ~ 2005/20 / EC Decision 2000/532 / CE (Law 11/1997, as amended by RD.782 / 1998 RD.252 / 2006 and Law 22/2008, Order MAM / 304/2002):
 Empty containers and packaging should be disposed of in accordance with local and national regulations. The classification of containers as hazardous waste depend on the degree of emptying them, being the holder of waste responsible for its classification in accordance with Chapter 15 01 Order MAM / 304/2002, and its channeling to appropriate final destination..

Procedures for neutralizing or destroying the product:
 Authorized landfill in accordance with local regulations.

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 14: TRANSPORT INFORMATION

14.1	UN number: Not regulated
14.2	UN proper shipping name: Not regulated
14.3	Transport hazard class(s)
14.4	ADR: European agreement concerning the International carriage of Dangerous Goods by Road.(2011) RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.(2011) Not regulated International Maritime Dangerous Goods (Code). (IMDG 35-10): Not regulated International Civil Aviation Organization (ICAO/IATA 2011): Not regulated Inland waterways (ADN): Not regulated
14.5	Environmental hazards Not regulated
14.6	Special precautions for user Not regulated
14.7	transport in bulk according to annex II of MARPOL 73/78 ant the IBC Code Not regulated

SECTION 15: REGULATORY INFORMATION

15.1	EU REGULATION AND LEGISLATION SAFETY, HEALTH AND THE SPECIFIC: RESTRICTIONS: Restrictions on the manufacture, marketing and use, Annex XVII to Regulation (EC) No. 1907/2006: Not applicable. Recommended restrictions on use: Not applicable. OTHER LAWS: Is applicable RD.770 / 1999 (Recommendation 89/542 / EEC), on the technical health regulations for the manufacture, distribution and sale of detergents and cleaners are approved. Detergents regulation: (EC) No648/2004
15.2	Chemical safety assessment No data available

SAFETY DATA SHEET (REACH)

According to regulation (CE) n° 1907/2006 and regulation (UE) n° 453/2010



AMMONIA
Code: 957019/020

SECTION 16: OTHER INFORMATION

16.1 Text of the R-Sets, which are referred to in Sections 2 and 3:

Directive 67/548/CEE~2001/59/CE (DSD), Annex III:

R34 causes chemical burns.

R37 Cause respiratory irritation

R50 extremely toxic for water organisms

Text of the H statements, which are referred to in Sections 2 and 3:

Regalement (CE) n° 1272/2008~790/2009 (CLP), Annex III:

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

MAIN LITERATURE AND SOURCES FOR DATA:

• European Chemicals Bureau: Existing Chemicals,

<http://ecb.jrc.ec.europa.eu/esis/>

• Occupational Exposure Limits for Chemical Agents in Spain (INSHT, 2012).

LEGISLATION ON SAFETY DATA SHEETS:

Safety Data Sheet according to Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No 453/2010.

The information in this Safety Data Sheet is based on sources, technical knowledge and current legislation at European level and State. The information given is designed only as a guidance for safe handling, use, processing, storage, Transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the material specified and may not be valid for such material used in combination with other materials or in any process, unless indicated in the text