



UBIQUIMICA

PRODUCT SPECIFICATION**EP 088****REV 00****IDENTIFICATION**

Chemical name	5/ 6% Ammonia Solution
Formula	NH ₄ OH
CAS Number	1336-21-6

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Liquid, clear and colorless.			
Characteristic	Unit	Minimum	Maximum	Method
Density	g/mL	0.970	0.980	IT.CQ-0009
Concentration	%	5.6	5.8	
pH	-	10.5	13.0	

MAIN APPLICATIONS

Textile, agricultural, rubber, leather, lubricants, food, cosmetics, effluent treatment, film production, photo development, inks, among others.

OTHER INFORMATION

UN No.	Product not classified by the current resolution on the transport of dangerous goods.
Risk No.	Product not classified by the current resolution on the transport of dangerous goods.
Packing	Bulk
Cautious	Corrosive product. Decomposes when heated, releasing toxic gases. Inhalation or eye contact can cause serious injury. In contact with the skin it can cause irritation. For handling, use the following PPE's: full face mask or moldex with double filter for ammonia gas together with wide vision goggles (if using the Moldex mask with double filter), long sleeves in PVC or nitrile, boots leather or rubber, pvc apron (barber-type), in addition to protective clothing with fabrics suitable for chemical products.
Storage	Keep stored in an open, covered, ventilated place, away from sources of heat, ignition and incompatible products as informed in the MSDS.
Validity	6 months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal Police - FP.

Technical Specifications	Code	Description
	186.01.0	5/ 6% Ammonia Solution

HISTORY OF CHANGES

Date	Revision	Comments of Changes
-	00	Initial Issue



PRODUCT SPECIFICATION

EP 034

REV 07

IDENTIFICATION

Chemical name	20% Ammonia Solution
Formula	NH ₄ OH
CAS Number	1336-21-6

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Liquid, clear and colorless			
Characteristic	Unit	Minimum	Maximum	Method
Density	g/mL	0.920	0.921	IT.CQ-0009
Concentration	%	20.0	21.0	
pH	-	12.0	13.5	

MAIN APPLICATIONS

Textile, agricultural, rubber, leather, lubricants, food, cosmetics, wastewater treatment, film production, photo development, paint industries, among others.

OTHER INFORMATION

UN No.	2672
Risk No.	80
Packing	In bulk, containers (IBC's) or polyethylene drums.
Cautious	Corrosive product. Decomposes when heated, releasing toxic gases. Inhalation or eye contact can cause serious injury. In contact with the skin it can cause irritation. For handling, use the following PPE's: full face mask or moldex with double filter for ammonia gas together with wide vision goggles (if using the Moldex mask with double filter), long sleeves in PVC or nitrile, boots leather or rubber, pvc apron (barber-type), in addition to protective clothing with fabrics suitable for chemical products.
Storage	Keep stored in an open, covered, ventilated place, away from sources of heat, ignition and incompatible products as informed in the MSDS.
Validity	Six months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal Police - FP.

Technical Specifications	Code	Description
	112.01.0	20% Ammonia Solution

HISTORY OF CHANGES

Date	Revision	Comments of Changes
2013-08-10	06	Updating the layout of the document, the technical instruction for product analysis and exclusion of the "silica" parameter control, as agreed with the commercial management, via email, dated 05.08.2013
-	07	Revision of the form due to approval via the Qualiex system. Inclusion of omega codes.



PRODUCT SPECIFICATION

EP 035

REV 09

IDENTIFICATION

Chemical name	24/ 25% Ammonia Solution
Formula	NH ₄ OH
CAS Number	1336-21-6

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Liquid, clear and colorless			
Characteristic	Unit	Minimum	Maximum	Method
Density	g/mL	0.905	0.912	IT.CQ-0009
Concentration	%	24.0	26.0	

MAIN APPLICATIONS

Textile, agricultural, rubber, leather, lubricants, food, cosmetics, wastewater treatment, film production, photo development, paint industries, among others.

OTHER INFORMATION	
UN No.	2672
Risk No.	80
Packing	In bulk, containers (IBC's) or polyethylene drums.
Cautious	Corrosive product. Decomposes when heated, releasing toxic gases. Inhalation or eye contact can cause serious injury. In contact with the skin it can cause irritation. For handling, use the following PPE's: full face mask or moldex with double filter for ammonia gas together with wide vision goggles (if using the Moldex mask with double filter), long sleeves in PVC or nitrile, boots leather or rubber, pvc apron (barber-type), in addition to protective clothing with fabrics suitable for chemical products.
Storage	Keep stored in an open, covered, ventilated place, away from sources of heat, ignition and incompatible products as informed in the MSDS.
Validity	Six months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal Police - FP.

Technical Specifications	Code	Description
	113.01.0	24/ 25% Ammonia Solution
	113.13.0	24/ 25% Ammonia Solution BB30IN
	113.15.0	24/ 25% Ammonia Solution BB50IN
	113.19.0	24/ 25% Ammonia Solution BBC
	113.49.0	24/ 25% Ammonia Solution IBCCL
	113.48.0	24/ 25% Ammonia Solution IBCEV
	113.42.0	24/ 25% Ammonia Solution IBCIN
	113.22.0	24/ 25% Ammonia Solution TP200IU

HISTORY OF CHANGES		
Date	Revision	Comments of Changes
08.10.2013	07	Updating the layout of the document, the technical instruction for product analysis and exclusion of the "silica" parameter control, as agreed with the commercial management, via email, dated 05/08/2013.
-	08	Revision of the form due to approval via the Qualiex system. Inclusion of omega codes.
-	09	Correction of concentration limits.



PRODUCT SPECIFICATION

EP 081**REV 02**

IDENTIFICATION

Chemical name	26% Ammonia Solution
Formula	NH ₄ OH
CAS Number	1336-21-6

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Liquid, clear and colorless			
Characteristic	Unit	Minimum	Maximum	Method
Density	g/mL	0.900	0.905	IT.CQ-0009
Concentration	%	25.0	27.0	

MAIN APPLICATIONS

Textile, agricultural, rubber, leather, lubricants, food, cosmetics, wastewater treatment, film production, photo development, paint industries, among others.

OTHER INFORMATION

UN No.	2672
Risk No.	80
Packing	In bulk, containers (IBC's) or polyethylene drums.
Cautious	Corrosive product. Decomposes when heated, releasing toxic gases. Inhalation or eye contact can cause serious injury. In contact with the skin it can cause irritation. For handling, use the following PPE's: full face mask or moldex with double filter for ammonia gas together with wide vision goggles (if using the Moldex mask with double filter), long sleeves in PVC or nitrile, boots leather or rubber, pvc apron (barber-type), in addition to protective clothing with fabrics suitable for chemical products.
Storage	Keep stored in an open, covered, ventilated place, away from sources of heat, ignition and incompatible products as informed in the MSDS.
Validity	Six months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal Police - FP.

	Code	Description
Technical Specifications	114.01.0	26% Ammonia Solution

HISTORY OF CHANGES

Date	Revision	Comments of Changes
08.10.2013	00	Initial Issue
-	01	Revision of the form due to approval via the Qualiex system. Inclusion of omega codes.
-	02	Density change from 0.900 to 0.907 to 0.900 to 0.905.



PRODUCT SPECIFICATION

EP 036

REV 08

IDENTIFICATION

Chemical name	28% Ammonia Solution
Formula	NH ₄ OH
CAS Number	1336-21-6

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Liquid, clear and colorless			
Characteristic	Unit	Minimum	Maximum	Method
Density	g/mL	0.894	0.898	IT.CQ-0009
Concentration	%	28.0	29.0	

MAIN APPLICATIONS

Textile, agricultural, rubber, leather, lubricants, food, cosmetics, wastewater treatment, film production, photo development, paint industries, among others.

OTHER INFORMATION

UN No.	2672
Risk No.	80
Packing	In bulk, containers (IBC's) or polyethylene drums.
Cautious	Corrosive product. Decomposes when heated, releasing toxic gases. Inhalation or eye contact can cause serious injury. In contact with the skin it can cause irritation. For handling, use the following PPE's: full face mask or moldex with double filter for ammonia gas together with wide vision goggles (if using the Moldex mask with double filter), long sleeves in PVC or nitrile, boots leather or rubber, pvc apron (barber-type), in addition to protective clothing with fabrics suitable for chemical products.
Storage	Keep stored in an open, covered, ventilated place, away from sources of heat, ignition and incompatible products as informed in the MSDS.
Validity	Six months depending on ideal storage conditions.
Legal requirements	Product controlled by the Federal Police - FP.

Technical Specifications	Code	Description
	115.01.0	28% Ammonia Solution
	115.13.0	Ammonia Solution 28% BB30IN
	115.15.0	Ammonia Solution 28% BB50IN
	115.19.0	Ammonia Solution 28% BBC
	115.49.0	Ammonia Solution 28% IBCCL
	115.48.0	Ammonia Solution 28% IBCEV
	115.42.0	Ammonia Solution 28% ICBIN
	115.22.0	Ammonia Solution 28% TP200IU
	115.24.0	Ammonia Solution 28% TPC

HISTORY OF CHANGES		
Date	Revision	Comments of Changes
08.10.2013	07	Updating the layout of the document, the technical instruction for product analysis and exclusion of the "Silica" parameter control, as agreed with the commercial management, via email, dated 05.08.2013.
-	08	Revision of the form due to approval via the Qualiex system. Inclusion of omega codes.