

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

AMMONIA 24,5%

Version 3.0 Print Date 08.02.2025

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

1.1. Product identifier

Trade name **AMMONIA 24,5%**

Substance name ammonia Index-No. 007-001-01-2 CAS-No. 1336-21-6 EC-No. : 215-647-6

: 01-2119488876-14-xxxx EU REACH-Reg. No.

UFI : KPGD-71EM-900Y-DJVT

: Austria, Belgium, Germany, Denmark, Estonia, Spain, France, UFI code notified in

Croatia, Ireland, Iceland, Lithuania, Luxembourg, Latvia,

Malta, Netherlands, Norway, Portugal, Sweden

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

Use of the : Identified use: See table in front of appendix for a complete

overview of identified uses. Substance/Mixture

Uses advised against : At this moment we have not identified any uses advised

against

Before referring to any Exposure Scenario attached to this Remarks

> Safety Data Sheet please check the grade of the product: the Exposure Scenarios presented are not related to all product

grade

Details of the supplier of the safety data sheet 1.3.

Company Brenntag N.V.

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Nijverheidslaan 38

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Responsible/issuing Master Data Administration

person

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Responsible/issuing Master Data Administration



person

1.4. Emergency telephone number

Emergency telephone

number

: Belgium: Antipoison Center - Brussels TEL: +32(0)70 245 245

Netherland: National Poisoning Information Center - Bilthoven TEL: +31(0) 88 755 8000 (Only for the purpose of informing

medical personnel in cases of acute intoxications)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Skin corrosion	Category 1B		H314
Serious eye damage	Category 1		H318
Specific target organ toxicity - single exposure	Category 3	Respiratory system	H335
Long-term (chronic) aquatic hazard	Category 3		H412

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

Most important adverse effects

Human Health : See section 11 for toxicological information.

Physical and chemical

hazards

See section 9/10 for physicochemical information.

Potential environmental : See section 12 for environmental information.

effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols





Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.



H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting

effects.

Precautionary statements

Prevention : P261 Avoid breathing dust/ fume/ gas/ mist/

vapours/ spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection.

Response : P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh

air and keep comfortable for breathing.

Immediately call a POISON

CENTER/doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsina.

P310 Immediately call a POISON CENTER/

doctor.

Hazardous components which must be listed on the label:

• ammonia

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: No information available about endocrine disruption properties for environment. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: No information available about endocrine disruption properties for human health.: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances



Chemical nature : Aqueous solution

				fication EC) No 1272/2008)
Haza	rdous components	Amount [%]	Hazard class / Hazard category	Hazard statements
ammonia				
Index-No. CAS-No. EC-No. EU REACH- Reg. No.	: 007-001-01-2 : 1336-21-6 : 215-647-6 : 01-2119488876-14-xxxx	>= 22 - < 25	Skin Corr.1B Eye Dam.1 STOT SE3 Aquatic Acute1 Aquatic Chronic2 M-Factor (Acute aquatic toxicity): 1 specific concentration limit STOT SE 3; H335 >= 5 % Note B	H314 H318 H335 H400 H411

Remarks : The REACH registration number for the anhydrous ammonia (CAS

7664-41-7) covers ammonia in aqueous solutions (CAS 1336-21-6).

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Take off all contaminated clothing immediately.

If inhaled : In case of accident by inhalation: remove casualty to fresh air

and keep at rest. If breathing is irregular or stopped, administer

artificial respiration. Call a physician immediately.

In case of skin contact : Wash off immediately with plenty of water. Call a physician

immediately.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Consult an eye specialist immediately.

Go to an ophthalmic hospital if possible.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. Do

NOT induce vomiting. Call a physician immediately.

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

Symptoms : See Section 11 for more detailed information on health effects

and symptoms.



Effects : Extremely corrosive and destructive to tissue. If ingested,

> severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. See Section 11 for more detailed information on health effects and

symptoms.

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

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing

media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product

itself does not burn.

Unsuitable extinguishing

media

High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during

firefighting

Hazardous combustion

products

Incomplete combustion may form toxic pyrolysis products.

The formation of caustic fumes is possible. Nitrogen oxides

(NOx)

5.3. Advice for firefighters

Special protective

equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective

Specific extinguishing

methods

Further advice

: Control smoke with water spray.

Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

: Keep people away from and upwind of spill/leak. Use personal Personal precautions

protective equipment. Ensure adequate ventilation. Avoid contact with the skin and the eyes. Do not breathe vapours or

spray mist.

6.2. **Environmental precautions**

Environmental : Do not flush into surface water or sanitary sewer system.



precautions Avoid subsoil penetration.

Methods and materials for containment and cleaning up

containment and cleaning

Methods and materials for : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed

containers for disposal.

Further information : Treat recovered material as described in the section "Disposal

considerations".

Reference to other sections 6.4.

See Section 1 for emergency contact information.

See Section 8 for information on personal protective equipment.

See Section 13 for waste treatment information.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Open drum carefully as content

> may be under pressure. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Use respirator with appropriate filter if vapours or aerosol are released. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking,

> eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off

all contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities 7.2.

Requirements for storage areas and containers

: Keep in an area equipped with alkali resistant flooring. Store in

original container.

Advice on protection against fire and explosion : The product is not flammable. Normal measures for preventive

fire protection.

Further information on storage conditions

: Keep tightly closed in a dry and cool place. Keep in a well-

ventilated place. Keep away from direct sunlight.

Advice on common

storage

: Keep away from food, drink and animal feedingstuffs. Do not store near acids. Incompatible with: Strong oxidizing agents

Suitable packaging

materials

: Polyethylene, polypropylene, Stainless steel

Unsuitable packaging

materials

: , Aluminium, Zinc, copper



7.3. Specific end use(s)

Specific use(s) : Identified use: See table in front of appendix for a complete

overview of identified uses.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Component:	ammonia	CAS-No. 1336-21-6

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL

Workers, Acute - local effects, Inhalation : 36 mg/m3

DNEL

Workers, Long-term - local effects, Inhalation : 14 mg/m3

DNEL

Workers, Acute - systemic effects, Inhalation : 47,6 mg/m3

DNEL

Workers, Long-term - systemic effects, Inhalation : 47,6 mg/m3

DNEL

Workers, Acute - systemic effects, Skin contact : 6,8 mg/kg bw/day

DNEL

Workers, Long-term - systemic effects, Skin contact : 6,8 mg/kg bw/day

DNEL

Consumers, Acute - local effects, Inhalation : 7,2 mg/m3

DNFI

Consumers, Long-term - local effects, Inhalation : 2,8 mg/m3

DNEL

Consumers, Acute - systemic effects, Inhalation : 23,8 mg/m3

DNEL

Consumers, Long-term - systemic effects, Inhalation : 23,8 mg/m3

DNEL

Consumers, Acute - systemic effects, Skin contact : 68 mg/kg bw/day

DNEL

Consumers, Long-term - systemic effects, Skin contact : 68 mg/kg bw/day



DNEL

Consumers, Acute - systemic effects, Ingestion : 6,8 mg/kg bw/day

DNEL

Consumers, Long-term - systemic effects, Ingestion : 6,8 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Fresh water : 0,0011 mg/l

Marine water : 0,0011 mg/l

Intermittent releases : 0,0068 mg/l

Other Occupational Exposure Limit Values

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL): 50 ppm, 36 mg/m3 Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA): 20 ppm, 14 mg/m3 Indicative

Netherlands. OELs (binding), as amended, Time Weighted Average (TWA): 14 mg/m3

Netherlands. OELs (binding), as amended, Short Term Exposure Limit (STEL): 36 mg/m3, (15 minutes)

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Short Term Exposure Limit (STEL): 50 ppm, 36 mg/m3 Indicative

EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended, Time Weighted Average (TWA): 20 ppm, 14 mg/m3 Indicative

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection



Advice : In case of brief exposure or low pollution use breathing filter

apparatus.

Recommended Filter type:K

In case of intensive or longer exposure use self-contained

breathing apparatus.

Respiratory protection complying with EN 141.

Hand protection

Advice : Protective gloves complying with EN 374.

Please observe the instructions regarding permeability and

breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion,

and the contact time.

Protective gloves should be replaced at first signs of wear.

Material : butyl-rubber
Break through time : >= 8 h
Glove thickness : 0,5 mm

Material : Fluorinated rubber

Break through time : >= 8 hGlove thickness : 0,4 mm

Eye protection

Advice : Safety glasses with side-shields conforming to EN166

Skin and body protection

Advice : alkali resistant protective clothing

Chemical resistant apron

Protective clothing against the effects of liquid chemicals (EN

13034).

Protective footwear according to ISO 20345.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : liquid

Physical state : liquid

Colour : colourless, light yellow



Odour : ammoniacal

Odour Threshold : 5 - 25 ppm

Freezing point/range : -44 °C

22% solution

Boiling point/boiling range : 44 °C

22% solution

Flammability (solid, gas) : Not applicable

Upper explosion limit / Upper

flammability limit

27 %(V) Ammonia

Lower explosion limit / Lower :

flammability limit

16 %(V) Ammonia

16 %(V) ammonia gas

Flash point : No data available

Auto-ignition temperature : 651 °C

ammonia gas

Decomposition temperature : No data available

Self-Accelerating

decomposition temperature

(OADT)

No data available

(SADT)

pH : 12 - 13

Concentration: 100 %

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Flow time : No data available

Solubility(ies)

Water solubility : completely soluble

Solubility in other solvents : No data available

Dissolution Rate : No data available

Partition coefficient: n-

octanol/water

: No data available

Dispersion Stability : No data available



Vapour pressure : 358 hPa (20 °C)

22% solution

Relative density : No data available

Density : 0,90 g/cm3

25% solution

Bulk density : No data available

Relative vapour density : No data available

Particle characteristics No data available

9.2 Other information

Explosives : Product is not explosive.

Oxidizing properties : not oxidising

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : No decomposition if used as directed.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Corrodes copper and its alloys. Exothermic reaction with strong

acids.

10.4. Conditions to avoid

Conditions to avoid : Heat

10.5. Incompatible materials

Materials to avoid : Bases, Acids, Aluminium, Zinc, Copper, Strong oxidizing

agents, hypochlorites

10.6. Hazardous decomposition products

Hazardous decomposition : ammonia

products

SECTION 11: Toxicological information

11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008



	Acute toxicity
	Oral
	N. 1
	No data available
	Inhalation
	No data available
	Dermal
	Study scientifically not justified.
	Irritation
	Skin
Result	: Classified based on the calculation method according to CLP regulation.
	Eyes
Result	: Classified based on the calculation method according to CLP regulation.
	Sensitisation
Result	: Not classified based on the calculation method according to CLF regulation.
	CMR effects
	CMR Properties
Carcinogenicity	: Not classified based on the calculation method according to CLF
Mutagenicity	regulation. : Not classified based on the calculation method according to CLF
Teratogenicity	regulation.Not classified based on the calculation method according to CLF
Reproductive toxicity	regulation. : Not classified based on the calculation method according to CLF
	regulation.
	Specific Target Organ Toxicity
	Single exposure
Inhalation	: May cause respiratory irritation.
	Repeated exposure
Remarks	 Not classified based on the calculation method according to CLF regulation.
	Other toxic properties



AMMONIA 24,5% Repeated dose toxicity No data available **Aspiration hazard** Not applicable, CAS-No. 1336-21-6 Component: ammonia **Acute toxicity** Oral Study scientifically not justified. Inhalation No data available **Dermal** Study scientifically not justified. **Irritation** Skin : corrosive effects (Rabbit) (OECD Test Guideline 404) Result Eyes : Causes serious eye damage. (Rabbit) Result Sensitisation Result not sensitizing **CMR** effects Carcinogenicity (negative, Rat, Test substance: Ammonium sulphate)(Oral; 67 mg/kg bw/day; 104 weeks)(OECD Test Guideline 453)Information given is based on data obtained from similar substances. **CMR Properties**



Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Animal testing did not show any mutagenic effects.

In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects

Teratogenicity : Did not show teratogenic effects in animal experiments.

Reproductive toxicity : Animal testing did not show any effects on fertility.

Genotoxicity in vitro

Result : negative (Ames test; Test substance: ammonia) (OECD Test

Guideline 471)

Genotoxicity in vivo

Result : negative (In vivo micronucleus test; Mouse) (Test substance:

ammonium chloride) (OECD Test Guideline 474)

Teratogenicity

(Rabbit)(Oral)Did not show teratogenic effects in animal experiments.Information given is based on data obtained from

similar substances.

Reproductive toxicity

NOAEL Fertility 408 mg/kg bw/day

(Rat)(Oral)(OECD Test Guideline 422)Animal testing did not show any effects on fertility.Information given is based on data obtained

from similar substances.

Specific Target Organ Toxicity

Single exposure

Inhalation : Target Organs: Respiratory systemMay cause respiratory irritation.

Repeated exposure

Remarks : The substance or mixture is not classified as specific target organ

toxicant, repeated exposure.

Other toxic properties

Repeated dose toxicity

NOAEL : 0,035 mg/l



(Rat, male; Test substance: ammonia)(Inhalation; 50 d)

Aspiration hazard

Not applicable,

11.2. Information on other hazards

Data for the produ	ıct	
		Endocrine disrupting properties
Assessment	:	No information available about endocrine disruption properties for human health.
Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1. Toxicity

Component:	ammonia	CAS-No. 1336-21-6
	Acute toxicity	
	Fish	
LC50	: 0,89 mg/l (Oncorhynchus mykiss (ra	ainbow trout); 96 h)
Toxi	city to daphnia and other aquatic invo	ertebrates
LC50	: 101 mg/l (Daphnia magna (Water fl	lea); 48 h) (ASTM E 729-80)
	algae	
EC50	: 2700 mg/l (Chlorella vulgaris (Fresh substance: Ammonium sulphate) (s	
	Bacteria	
	: Study scientifically unjustified.	
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Chronic toxicity

Fish

LOEC : 0,022 mg/l (Oncorhynchus mykiss (rainbow trout); 73 d; Test

substance: ammonium chloride) (flow-through test)

Aquatic invertebrates

NOEC 0,79 mg/l (Daphnia magna (Water flea); 96 h; Test substance:

ammonium chloride) (OPPTS 850.1300)

M-Factor

M-Factor (Acute Aquat. Tox.)

: 1

12.2. Persistence and degradability

Component:	ammonia	CAS-No. 1336-21-6
	Persistence and degradability	
	Persistence	
Result	: No data available	

Biodegradability

Result : Readily biodegradable. Can be oxidized by microorganisms to

nitrate but can be also reduced to nitrogen.

12.3. Bioaccumulative potential

Component:	ammonia	CAS-No. 1336-21-6
	Bioaccumulation	

Result : Bioaccumulation is not expected.

12.4. Mobility in soil

Component:	ammonia	CAS-No. 1336-21-6
	Mobility	



Water : The product is mobile in water environment.

Soil : Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

Data for the product

Results of PBT and vPvB assessment

Result : This substance/mixture contains no components considered to be

either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or

higher.

Component: ammonia CAS-No. 1336-21-6

Results of PBT and vPvB assessment

Result : The PBT or vPvB criteria of Annex XIII to the REACH Regulation

does not apply to inorganic substances.

12.6. Endocrine disrupting properties

Data for the product

Endocrine disrupting

potential

No information available about endocrine disruption properties for

environment.

Endocrine disrupting

potential

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

Data for the product

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

Harmful effects to aquatic organisms due to pH-shift.

Component: ammonia CAS-No. 1336-21-6

Additional ecological information

Result : Harmful effects to aquatic organisms due to pH-shift.

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Product : Disposal together with normal waste is not allowed. Special

disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services. This product shall be disposed of or recovered in compliance with

Directive 2008/98/EC on waste as lastly amended.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be

recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates

the assignment. The waste code is established in consultation

with the regional waste disposer.

SECTION 14: Transport information

14.1. UN number or ID number

2672

14.2. UN proper shipping name

ADR : AMMONIA SOLUTION RID : AMMONIA SOLUTION IMDG : AMMONIA SOLUTION

14.3. Transport hazard class(es)

ADR-Class : 8

(Labels; Classification Code; Hazard 8; C5; 80; (E)

Identification Number; Tunnel restriction

code)

RID-Class : 8

(Labels; Classification Code; Hazard 8; C5; 80

Identification Number)

IMDG-Class :

(Labels; EmS) 8; F-A, S-B

14.4. Packaging group

ADR : III RID : III IMDG : III

14.5. Environmental hazards

Environmentally hazardous according to ADR : no Environmentally hazardous according to RID : no Marine Pollutant according to IMDG-Code : yes



14.6. Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Point Nos.:, 3; Listed

Data for the product

EU. REACH, Annex XVII, : Marketing and Use

Restrictions (Regulation 1907/2006/EC)

EU. Directive

2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I

; The substance/mixture does not fall under this legislation.

Component: ammonia CAS-No. 1336-21-6

EU. Chemicals Subject to PIC Procedure: Regulation 649/2012/EU on export and import of dangerous chemicals, as amended

: ; The substance/mixture does not fall under this legislation.

EU. REACH, Annex XVII, : Marketing and Use Restrictions (Regulation 1907/2006/EC)

Point Nos.: , 3; Listed

Point Nos.:, 75; Listed

EU. Regulation No. 1223/2009 on cosmetic products, Annex III: List of Restricted Substances in Cosmetic Products

Maximum concentration in ready for use preparation: 6 %; See

the text of the regulation for applicable exceptions or

provisions.



EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I : Qualifying quantity for the application of Lower-tier requirements: 100 tonnes; Part 1: Categories of dangerous substances; Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Qualifying quantity for the application of Upper-tier requirements: 200 tonnes; Part 1: Categories of dangerous substances; Hazardous to the Aquatic Environment in

Category Acute 1 or Chronic 1

Notification status ammonia:

annionia.		
Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	215-647-6
ENCS (JP)	YES	(1)-314
IECSC	YES	. ,
INSQ	YES	
ISHL (JP)	YES	(1)-314
KECI (KR)	YES	KE-01688
KECI (KR)	YES	97-1-184
NZIOC	YES	HSR001516
NZIOC	YES	HSR001517
NZIOC	YES	HSR001526
NZIOC	YES	HSR001563
ONT INV	YES	
PHARM (JP)	YES	
PICCS (PH)	YES	
TCSI	YES	
TH INV	YES	2814.20
TH INV	YES	55-1-01485
TSCA	YES	
VN INVL	YES	

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

П

Full text of H-Statements referred to under sections 2 and 3.

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.



H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Full text of the Notes referred to under section 3.

Note B Some substances (acids, bases, etc.) are placed on the market in

aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: "nitric acid ...%". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage

concentration is calculated on a weight/weight basis.

Abbreviations and Acronyms

AU AIICL Australia. Industrial Chemicals Act (AIIC) List

BCF bioconcentration factor

BOD biochemical oxygen demand
CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

CMR carcinogenic, mutagenic or toxic to reproduction

COD chemical oxygen demand DNEL derived no-effect level

DSL Canada. Environmental Protection Act, Domestic Substances List

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

ENCS (JP) Japan. Kashin-Hou Law List

Globally Harmonized System of Classification and Labelling of

Chemicals

IECSC China. Inventory of Existing Chemical Substances
INSQ Mexico. National Inventory of Chemical Substances

ISHL (JP) Japan. Inventory of Industrial Safety & Health

KECI (KR) Korea. Existing Chemicals Inventory

LC50 median lethal concentration

LOAEC lowest observed adverse effect concentration

LOAEL lowest observed adverse effect level

LOEL lowest observed effect level

NDSL Canada. Environmental Protection Act. Non-Domestic Substances

List

NLP no-longer polymer

NOAEC no observed adverse effect concentration

NOAEL no observed adverse effect level NOEC no observed effect concentration

NOEL no observed effect level



NZIOC New Zealand. Inventory of Chemicals

OECD Organisation for Economic Cooperation and Development

OEL occupational exposure limit
ONT INV Canada. Ontario Inventory List

PBT persistent, bioaccumulative and toxic

PHARM (JP) Japan. Pharmacopoeia Listing

PICCS (PH) Philippines. Inventory of Chemicals and Chemical Substances

PNEC predicted no-effect concentration
REACH Auth. No.: REACH Authorisation Number

REACH AuthAppC. No. REACH Authorisation Application Consultation Number

UK REACH Auth. No.: UK REACH Authorisation Number

UK REACH AuthAppC. UK RE

No.

UK REACH Authorisation Application Consultation Number

UK REACH-Reg.No UK REACH Registration Number

STOTspecific target organ toxicitySVHCsubstance of very high concern

TCSI Taiwan. Existing Chemicals Inventory

TH INV Thailand. Existing Chemicals Inventory from FDA

TSCA US. Toxic Substances Control Act

Further information

Key literature references:

and sources for data

Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were

used to create this safety data sheet.

Methods used for product classification

The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling

of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National

regulations for the training of workers in the handling of

hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is

correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and

does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in

the text.

| Indicates updated section.

