

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 24/09/2014 Revision date: : Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Ammonia
Type of product : Detergent
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use, Industrial use

Use of the substance/mixture : Detergent

Title	Use descriptors
Ammonia	SU21, SU22, PC35

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

H.O.BAKKER B.V. Storm van 's-Gravesandeweg 100 2242 JL Wassenaar - NEDERLAND T 0031(0)6-51602977 - F 0031(0)70-5140893 info@bakker-group.eu - www.bakker-group.eu

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children

P101 - If medical advice is needed, have product container or label at hand

P103 - Read label before use

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments : This product is not classified as hazardous but contains hazardous components

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Ammonia%	(CAS No) 1336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2 (REACH-no) 01-2119488876-14	1 - 5	C; R34 N; R50

17/03/2015 EN (English) 1/6

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Name	Product identifier	Specific cond	entration limits
Ammonia%	(CAS No) 1336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2 (REACH-no) 01-2119488876-14	(5 =< C < 10) Xi;R36/37/38 (C >= 10) C;R34	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ammonia%	(CAS No) 1336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2 (REACH-no) 01-2119488876-14	1 - 5	Skin Corr. 1B, H314 Aquatic Acute 1, H400
Name	Product identifier	Specific cond	entration limits
Ammonia%	(CAS No) 1336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2 (REACH-no) 01-2119488876-14	(C >= 5) STOT SE 3, H335	

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel

unwell, seek medical advice.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Rinse skin with water/shower. Seek medical

attention if ill effect or irritation develops.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or

doctor/physician.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All known extinguishants can be used.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of : At high temperature may liberate dangerous gases.

fire

5.3. Advice for firefighters

Firefighting instructions : Prevent fire-fighting water from entering environment. Use water spray or fog for cooling

exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Keep public away from danger area. Wear personal protective equipment.

6.1.1. For non-emergency personnel

Protective equipment : Use protective clothing.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials. Wash away remainder with plenty of water.

17/03/2015 EN (English) 2/6

Safety Data Sheet

according to Regulation (EC) No. 453/2010

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Keep out of reach of children. Keep only in the original container in a cool, well-ventilated place.

Keep container closed when not in use.

Incompatible products : Strong acids.

Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

The product is intended for private use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ammonia% (1336-21-6)		
EU	IOELV TWA (mg/m³)	14 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	36 mg/m³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	(ammonia, anhydrous)
United Kingdom	WEL TWA (mg/m³)	18 mg/m ³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m³)	25 mg/m ³
United Kingdom	WEL STEL (ppm)	35 ppm
United Kingdom	Remark (WEL)	(ammonia, anhydrous)

8.2. Exposure controls

Appropriate engineering controls : Provide sufficient air exchange and/or exhaust.

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.

Hand protection

: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (>=0.4 mm), chloroprene rubber (>=0.5 mm), butyl rubber (>=0.7 mm) and others. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break trough time has to be found out by the manufacturer of the protective gloves

and has to be observed.

Eye protection : Use eye protection according to EN 166, designed to protect liquid splashes

Skin and body protection : If skin contact or contamination of clothing is possible, protective clothing should be worn

Respiratory protection : Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air

collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent

vapour concentration below the occupational limit values.





Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Colourless.
Odour : Ammoniacal.
Odour threshold : No data available

17/03/2015 EN (English) 3/6

Safety Data Sheet

according to Regulation (EC) No. 453/2010

рН	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water.
Log Pow	:	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

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat.

10.5. Incompatible materials

Strong bases. Strong acid. Oxidizing agent. Halogens.

10.6. Hazardous decomposition products

Under fire conditions, hazardous fumes will be present.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ammonia% (1336-21-6)		
LD50 oral	350 mg/kg bodyweight	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	3,31 mg/l/4h	
Skin corrosion/irritation	: Not classified	
	Based on available data, the classification criteria are not met	
Serious eye damage/irritation	: Not classified	
	Based on available data, the classification criteria are not met	
Respiratory or skin sensitisation	: Not classified	
	Based on available data, the classification criteria are not met	
Germ cell mutagenicity	: Not classified	
	Based on available data, the classification criteria are not met	
Carcinogenicity	: Not classified	
	Based on available data, the classification criteria are not met	
Reproductive toxicity	: Not classified	
	Based on available data, the classification criteria are not met	
Specific target organ toxicity (single exposure)	: Not classified	
	Based on available data, the classification criteria are not met	
17/03/2015	EN (English)	4/6

17/03/2015 EN (English) 4/6

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Specific target organ toxicity (repeated

exposure)

: Not classified

Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Based on available data, the classification criteria are not met

Potential adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ammonia% (1336-21-6)	
LC50 fishes	9 mg/l
EC50 other aquatic organisms 2	101 mg/l IC50 algea (72 h) mg/l

12.2. Persistence and degradability

Α	mmo	onia	

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Αı	nm	oni	ia
\sim		VIII	ıu

Bioaccumulative potential Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of this material

and its container to hazardous or special waste collection point.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 20 01 00 - separately collected fractions (except 15 01)

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

Not applicable

17/03/2015 EN (English) 5/6

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.6.3. Air transport

Not applicable

14.6.4. Inland waterway transport

Not applicable

14.6.5. Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

0		0	J	, ,	,
3. Liquid substances or m Directive 1999/45/EC or a categories set out in Anne	re fulfilling the	criteria for any of the	following hazard classes of	or	Ammonia

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Detergent Regulation: Ingredient data sheet:

Component	CAS No	%
AQUA	7732-18-5	>=10%
AMMONIUM HYDROXIDE	1336-21-6	1 - 10%

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
R34	Causes burns
R50	Very toxic to aquatic organisms
С	Corrosive
N	Dangerous for the environment
PC35	Washing and cleaning products (including solvent based products)
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

17/03/2015 EN (English) 6/6