milwaukee	Milwaukee Electronics Kft.	EN	
	NH3-1 - Ammonia Reagent 1		
Safety Data Sheet			
SECTION 1. Identifica	ation of the substance/mixture and of the company/undertaking		
1.1. Product identifier			
Code Product name	NH3-1 Ammonia Reagent 1		
1.2. Relevant identified uses o	of the substance or mixture and uses advised against		
Intended use	Intended use Determination of Ammonia in Water Samples.		
1.3. Details of the supplier of the	the safety data sheet		
Name Full address District and Country e-mail address of the comp responsible for the Safety D			
1.4. Emergency telephone number			
For urgent inquiries refer to	Austria tel.: +431 406 43 43 - Belgium tel.: 070/245.245 - Bulgaria tel.: +359 2 9154409 - Czech Republic tel.: +420 224 919 293, +420 224 915 402 - Denmark tel.: 8212 12 12 - Estonia tel.: 112 - Finland tel.: (09) 471 977 (direct) or (09) 4711 (exchange) - France tel. ORFILA (INRS) : + 33 (0)1 45 42 59 59 - Ireland tel.: 01 8092166 - Lithuania tel.: +370 5 236 20 52, +370 687 53378 - Malta tel: 2545 0000,Medicines & Poisons Info Office tel.: 2545 6504 - Norway tel.:22 59 13 00 - Portugal tel.: 808 250 143 - Romania tel. 021.318.36.06 (8:00 – 15:00) – Slovakia tel.: +421 2 5477 4166 - Spain tel.: + 34 91 562 04 20 - Sweden tel.: 112; 08-331231 (9:00-17:00)		
SECTION 2. Hazards identifica	cation		
2.1. Classification of the substa	stance or mixture		

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication:

2.2. Label elements

Hazard pictograms:	
Signal words:	
Hazard statements:	
Precautionary statements:	

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\ge 0.1\%$.

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SECTION 3. Composition/information on ingredients

3.2. Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances. HAND PROTECTION None required. SKIN PROTECTION None required. EYE PROTECTION

None required. RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature	Value liquid colourless odourless not available not available not available not available not available not available not available	
Decomposition temperature	not available	
рН	12,3	
Kinematic viscosity Solubility Partition coefficient: n-octanol/water	not available soluble in water not available 17.5 mmHq	
Vapour pressure	17,5 mmHg	

Information

Method:ASTM D1293-18 Temperature: 25 °C

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SECTION 9. Physical and	chemical properties / >>		
Density and/or relative den Relative vapour density Particle characteristics	sity 1,2 not available not applicable		
9.2. Other information			
9.2.1. Information with rega	rd to physical hazard classes		
Information not available			
9.2.2. Other safety character	ristics		
Total solids (250°C / 482°F Explosive properties Oxidising properties) 40,94 % not applicable not applicable		
SECTION 10. Stability	and reactivity		
10.1. Reactivity			
There are no particular risks	s of reaction with other substances in normal conditions of us	e.	
10.2. Chemical stability			
The product is stable in nor	mal conditions of use and storage.		
10.3. Possibility of hazardous	reactions		
No hazardous reactions are	foreseeable in normal conditions of use and storage.		
10.4. Conditions to avoid			
None in particular. Howeve	the usual precautions used for chemical products should be	respected.	
10.5. Incompatible materials			
Information not available			
10.6. Hazardous decomposition	n products		
Information not available			
SECTION 11. Toxicol	ogical information		
According to currently availated industrial practices.	able data, this product has not yet produced health damages.	Anyway, it must be handled according to good	
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008			
Metabolism, toxicokinetics,	mechanism of action and other information		
Information not available			
Information on likely routes of exposure			
Information not available			
Delayed and immediate effects as well as chronic effects from short and long-term exposure			
Information not available			
Interactive effects			
Information not available			
ACUTE TOXICITY			
ATE (Inhalation) of the mixt	ure: Not classified (no significal Not classified (no significal		

ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

Not classified (no significant component) Not classified (no significant component)

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SECTION 11. Toxicologica	l information / >>	
SKIN CORROSION / IRRIT	ATION	
Does not meet the classific	ation criteria for this hazard class	
SERIOUS EYE DAMAGE /	IRRITATION	
Does not meet the classific	ation criteria for this hazard class	
RESPIRATORY OR SKINS	SENSITISATION	
Does not meet the classific	ation criteria for this hazard class	
GERM CELL MUTAGENIC	ITY	
Does not meet the classification	ation criteria for this hazard class	
CARCINOGENICITY		
Does not meet the classification	ation criteria for this hazard class	
REPRODUCTIVE TOXICIT	<u>Y</u>	
Does not meet the classification	ation criteria for this hazard class	
STOT - SINGLE EXPOSUR	RE	
Does not meet the classification	ation criteria for this hazard class	
STOT - REPEATED EXPO	SURE	
Does not meet the classification	ation criteria for this hazard class	
ASPIRATION HAZARD		
Does not meet the classification	ation criteria for this hazard class	
1.2. Information on other haz	ards	
Based on the available data disruptors with human healt	a, the product does not contain substances listed in the main European list h effects under evaluation.	s of potential or suspected endocrine
SECTION 12. Ecologi	cal information	
Use this product according or contaminate soil or vege	to good working practices. Avoid littering. Inform the competent authorities tation.	s, should the product reach waterways
2.1. Toxicity		

Information not available

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.



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SECTION 12. Ecological information ... / >>

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU:

None

Restrictions relating to the	product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Contained substance	
Point	75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

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SECTION 15. Regulatory in	formation / >>			
Substances subject to authon None	risation (Annex XIV REACH)			
Substances subject to expor None	tation reporting pursuant to Regulation (EU) 649/20	12:		
Substances subject to the R	otterdam Convention:			
Substances subject to the S None	ockholm Convention:			
Healthcare controls Information not available				
German regulation on the cla WGK 1: Low hazard to wate	assification of substances hazardous to water (AwS 's	V, vom 18. April 2017))	
15.2. Chemical safety assessm	ent			
A chemical safety assessme	nt has not been performed for the preparation/for the	e substances indicated	I in section 3.	
SECTION 16. Other in	ormation			
 ATE: Acute Toxicity Estima CAS: Chemical Abstract Se CE50: Effective concentrati CE: Identifier in ESIS (Euro CLP: Regulation (EC) 1272 DNEL: Derived No Effect L EmS: Emergency Schedule GHS: Globally Harmonized IATA DGR: International Ai IC50: Immobilization Conce IMDG: International Maritime INDEX: Identifier in Annex LC50: Lethal Concentration LD50: Lethal Concentration PBT: Persistent bioaccumu PEC: Predicted environmer PEC: Predicted no effect REACH: Regulation (EC) 1 RID: Regulation concerning TLV: Threshold Limit Value TLV CEILING: Concentration TWA STEL: Short-term exp VOC: Volatile organic Com wGK: Water hazard classe 	rvice Number on (required to induce a 50% effect) pean archive of existing substances) /2008 evel System of classification and labeling of chemicals Transport Association Dangerous Goods Regulation intration 50% e Code for dangerous goods Organization /I of CLP 50% re Level lative and toxic as REACH Regulation ital Concentration vel concentration 907/2006 the international transport of dangerous goods by t on that should not be exceeded during any time of or ge exposure limit osure limit pounds very Bioaccumulative as for REACH Regulation	n		
 Regulation (EC) 1272/200 Regulation (EU) 2020/878 Regulation (EC) 790/2009 Regulation (EU) 286/2011 Regulation (EU) 618/2012 Regulation (EU) 487/2013 Regulation (EU) 944/2013 Regulation (EU) 605/2014 Regulation (EU) 2015/12 	6 (REACH) of the European Parliament 8 (CLP) of the European Parliament (II Annex of REACH Regulation) (I Atp. CLP) of the European Parliament (II Atp. CLP) of the European Parliament (III Atp. CLP) of the European Parliament (V Atp. CLP) of the European Parliament (V Atp. CLP) of the European Parliament (VI Atp. CLP) of the European Parliament 21 (VII Atp. CLP) of the European Parliament 8 (VIII Atp. CLP) of the European Parliament 79 (IX Atp. CLP)			
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SECTION 16. Other information ... / >>

- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 02 / 08 / 09 / 11 / 12 / 15 / 16. EN

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