milwaukee	Milwaukee E	Electronics Kft.	Revision nr.7 EN Dated 03/03/2023 Printed on 20/10/2023
(iii) milwaukee	NH3-2 - Amn	nonia Reagent 2	Page n. 1 / 13 Replaced revision:6 (Dated 12/09/2022)
	Sa	afety Data Sheet	
	According to Annex II to REAC	CH - Regulation 2020/878 and to Annex II to	D UK REACH
SECTION 1. Identifica	tion of the substance/mix	ture and of the company/under	rtaking
1.1. Product identifier			
Code	NH3-2		
Product name	Ammonia	a Reagent 2	
1.2. Relevant identified uses of	f the substance or mixture and use	es advised against	
Intended use Determination of Ammonia in Water Samples.			
1.3. Details of the supplier of the	ne safety data sheet		
Name		ee Electronics Kft.	
Full address District and Country	Alsókikő H6726	tő sor 11. Szeged	
District and Obanary	10120	Hungary	
	Tel.	+36-62-428-050	
	Fax	+36-62-428-051	
e-mail address of the compo responsible for the Safety D	•	lwaukeeinst.com	
1.4. Emergency telephone nun	nber		
For urgent inquiries refer to		el.: +431 406 43 43 - Belgium tel.: 070/245	5
		- Czech Republic tel.: +420 224 919 293,	
		12 - Estonia tel.: 112 - Finland tel.: (09) 47 ge) - France tel. ORFILA (INRS) : + 33 (0)1	
		6 - Lithuania tel.: +370 5 236 20 52, +370 6	
	-	dicines & Poisons Info Office tel.: 2545 65	
		tel.: 808 250 143 - Romania tel. 021.318.3 5477 4166 - Spain tel.: + 34 91 562 04 20 - :00)	
SECTION 2. Hazards identifica	non		

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Substance or mixture corrosive to metals, category	H290	May be corrosive to metals.
1		
Acute toxicity, category 1	H300	Fatal if swallowed.
Acute toxicity, category 1	H310	Fatal in contact with skin.
Acute toxicity, category 2	H330	Fatal if inhaled.
Specific target organ toxicity - repeated exposure,	H373	May cause damage to organs through prolonged or
category 2		repeated exposure.
Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, acute	H400	Very toxic to aquatic life.
toxicity, category 1		
Hazardous to the aquatic environment, chronic	H411	Toxic to aquatic life with long lasting effects.
toxicity, category 2		

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JKEE	NH3-2 - A	mmonia Reagent 2	Page n. 2/13 Replaced revision:6 (Dated 12/09/2022)
ards identification	n/>>		
oursuant to EC Re	egulation 1272/2008	(CLP) and subsequent amendments and supple	ements.
15:			
^	~ ~		
Pa			
<u>*</u> Č			
Da	nger		
	who corrective to me	stale	
Ма	y cause damage to o	organs through prolonged or repeated exposure	е.
	not breathe dust fu	me gas mist vanours sprav	
		tiously with water for several minutes. Remove	contact lenses, if present and easy to
	•	SON CENTER or doctor.	
SC	DIUM HYDROXIDE		
vailable data the	product does not cor	ntain any PBT or vPvB in percentage ≥ than 0.1	%
sition/information	on ingredients		
	x = Conc. %	Classification (EC) 1272/2008 (CLP)	
TRAIODOMERCU	· · ·	Acuto Toy 1 4200 Acuto Toy 1 4040 A	Outo Toy 2 4320 STOT DE 2 4272
	$9 \leq \chi \leq 20$		
		note according to Annex VI to the CLP Re	
		STOT RE 2 H373: ≥ 0,1%	ka LC50 labolation mista/nourdana
100-00-1		0,051 mg/kg	ry, LOOU IIIIalallUII IIIISIS/pOW0EIS:
XIDE			
11-002-00-6	$9 \le x < 30$	Met. Corr. 1 H290, Skin Corr. 1A H314, E Met. Corr. 1 H290: ≥ 1%, Skin Corr. 1B H	
15-185-5		WEL COLL 11230. ≤ 170, 3KIII CULL ID Π	$5 + 7$. $\leq 2/0$, $5 \times 1111111111111111111111111111111111$
15-185-5		Eye Dam. 1 H318: ≥ 2%. Eve Irrit. 2 H319	
15-185-5 310-73-2 1-2119457892-27		Eye Dam. 1 H318: ≥ 2%, Eye Irrit. 2 H319	
	pursuant to EC Rents: The second sec	Jkee NH3-2 - A Ards identification / >> ards identification / >> pursuant to EC Regulation 1272/2008 ns: Image: Image	JAkee NH3-2 - Ammonia Reagent 2 ards identification ards if swallowed, ic coltact with skin or if inhaled. May be corrosive to metals. Task if swallowed, in contact with skin or if inhaled. May cause damage to organs through prolonged or repeated exposure Causes severe skin burns and eye damage. Very toxic to aquatic life. Very toxic to aquatic life. Toxic to aquatic life.

ΕN

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

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

POTASSIUM TETRAIODOMERCURATE (II)

Mercury compounds have a cytotoxic and protoplasmatoxic effect. Intoxication symptoms: acute: contact with eye causes severe lesions. Swallowing and inhalation of dusts damages mucous membranes of gastrointestinal and respiratory tract (metallic taste, nausea, vomiting, abdominal pain, bloody diarrhoea, intestinal burns, glottal oedema, aspiration pneumonia); drop in blood pressure, cardiac dysrhythmia, circulatory collapse, and renal failure; chronic: inflammation of the mouth with loss of teeth and mercurial line. The principal signs manifest themselves in the CNS (impaired speech, vision, hearing, and sensitivity, loss of memory, irritability, hallucinations, delirium inter alia).

SODIUM HYDROXIDE

Irritation and corrosion, Cough, Shortness of breath, collapse, death. Risk of blindness!.

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.

POTASSIUM TETRAIODOMERCURATE (II) Not combustible. Avoid shock and friction. Ambient fire may liberate hazardous vapours. Fire may cause evolution of: mercury vapours, iodine, hydrogen iodide.

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 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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.



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NH3-2 - Ammonia Reagent 2

EN

SECTION 6. Accidental release measures/>>

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point

Make sure the leakage site is well aired. 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.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany):

6.1A

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021, Fassung vom 17.06.2021
BEL	Belgique	Liste de valeurs limites d'exposition aux agents chimiques, livre VI du code du bien-être au travail
BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ,
		СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17
		Януари 2020г.)
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz:
		MAK (SUVA)
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb.,
		kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und
		Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung
		gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH
		HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των
		οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας
		2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με
		την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία''»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki
		tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama
		na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
IRL	Éire	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations
		(2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające
		rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych
		dla zdrowia w środowisku pracy

		N	1ilwauke	e Electi	ronics	Kft.	Revision nr.7 Dated 03/03/2023 Printed on 20/10/2023
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ECTION 8. Expos	sure contro	ls/persona	I protection	/ >>			
ROU	România					ea hotărârii guvernul vernului nr. 1.093/20	ui nr. 1.218/2006, precum și pentru 06
SWE	Sverige		Hygieniska g		rbetsmiljöve		allmänna råd om hygieniska
SVK	Slovensko	D	NARIADENI nariadenie v	È VLÁDY Slov lády Slovenské siacimi s expoz	enskej repu ej republiky	č. 356/2006 Z. z. o od	020, ktorým sa mení a dopĺňa chrane zdravia zamestnancov pred nym faktorom pri práci v znení
GBR EU	United Kir OEL EU	Ū	Directive (El 2019/983; D 2006/15/EC 91/322/EEC	J) 2022/431; D irective (EU) 20 ; Directive 2004	irective (EU 017/2398; E	irective (EU) 2017/16) e (EU) 2019/130; Directive (EU) 54; Directive 2009/161/EU; Directive Directive 98/24/EC; Directive
	TLV-ACG	IH	ACGIH 202				
			POTA	SSIUM TETRA	ODOMER	CURATE (II)	
Threshold Limit Va							
Туре	Country	TWA/8h		STEL/15		Remarks / Ob	servations
		mg/m3	ppm	mg/m3	ppm		
MAK	AUS	0,02		0,08			Hg compound
VLEP	BEL	0,02		0.40			Hg compound
MAK	CHE	0,02		0,16		INHAL	
AGW	DEU	0,02		0,16		INHAL	
TLV VLA	DNK	0,025		0,05			Hg compound
VLA	ESP	0,02					Hg compound
AK	FRA HUN	0,02 0,08		0.32			Hg compound Hg compound
OELV	IRL	0,08		0,32			Hg compound
NDS/NDSCh	POL	0,02					Hg compound
	POL	0,02					Hg compound

TLV

WEL

OEL

NGV/KGV

Inhalation

Route of exposure

ROU

SWE

GBR

Health - Derived no-effect level - DNEL / DMEL

Acute

local

EU

0,02

0,03

0,02

0,025

Effects on consumers

Acute

systemic

Chronic

local

Hg compound Hg compound

Hg compound Hg compound

Chronic

local

0,02 mg/m3 8h Chronic systemic VND

Acute

systemic

Effects on workers

Acute

local

Chronic

systemic

			Milwau	ikee Elect	ronics K	lft.	Revision nr.7 Dated 03/03/20 Printed on 20/1	10/2023	
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SECTION 8. Expos	sure co	ntrols/perso	nal protecti	on/>>			I		
				SODIUM	1 HYDROXIDE	:			
Threshold Limit Va	alue			CODICI					
Туре	Coun	trv TWA/8	3h	STEL/1	5min	Remarks / Ot	oservations		
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		mg/m		mg/m3	ppm				
MAK	AUS	2	- PP	4	P P · · ·	INHAL			
VLEP	BEL	2							
TLV	BGR	2							
MAK	CHE	2				INHAL			
TLV	CZE	1		2					
TLV	DNK	2		2					
VLA	ESP			2					
VLEP	FRA	2							
HTP	FIN			2 (C)					
TLV	GRC	2		2					
AK	HUN	2		2					
GVI/KGVI	HRV			2					
OELV	IRL			2 (C)					
NDS/NDSCh	POL	0,5		1					
TLV	ROU	1		3					
NGV/KGV	SWE	1							
NPEL	SVK	2							
WEL	GBR			2					
TLV-ACGIH				2 (C)					
Health - Derived n	o-effect	level - DNEL	/ DMEL						
		Effects on co	onsumers			Effects on work	kers		
Route of expos	sure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
		local	systemic	local	systemic	local	systemic	local	systemic
Inhalation				VND	1			VND	1

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

mg/m3

POTASSIUM TETRAIODOMERCURATE (II)

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norm: ISO 17733 - Biological Values, ACGIH: 20 µg mercury/g creatinine in urine, GBR: 20 µmol mercury/mol creatinine in urine (Random), DEU: 25 µg Quecksilber/g Kreatinin Urin (keine Beschränkung), ESP: 30 µg Mercurio inorgánico total/g creatinina en orina (Antes de la jornadalaboral), ROU: 35 µg mercur/g creatină in urină (începutul schimbului următor).

SODIUM HYDROXIDE

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norm OSHA ID-121.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

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.

mg/m3

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SECTION 8. Exposure cont	ols/personal protection	/ >>	
threshold values considered If the substance considered emergency, wear open-circu	The protection provided by masks s odourless or its olfactory thresho	is in any case limited. Id is higher than the correspond atus (in compliance with standar	e for restricting the worker's exposure to the ding TLV-TWA and in the case of an rd EN 137) or external air-intake breathing device, see standard EN 529.
compliance with environmen	manufacturing processes, includin		n equipment, should be checked to ensure raterways.
ECTION 9. Physical and cher	ical properties		
.1. Information on basic physic	al and chemical properties		
Properties	Value		Information
Appearance	liquid		monitation
Colour	straw yell	ow	
Odour	odourless	3	
Melting point / freezing point	not availa	ble	
Initial boiling point	not availa		
Flammability	not availa		
Lower explosive limit	not availa		
Upper explosive limit Flash point	not availa		
Auto-ignition temperature	not applic not availa		
Decomposition temperature	not availa		
pH	13,5		Method:ASTM D1293-18
P	,-		Temperature: 25 °C
Kinematic viscosity	not availa	ble	
Solubility		oluble in water	
Partition coefficient: n-octan		ble	
Vapour pressure		nmHg	
Density and/or relative dens	•		
Relative vapour density	not availa		
Particle characteristics	not applic	able	
.2. Other information			
9.2.1. Information with regar	d to physical hazard classes		
Information not available 9.2.2. Other safety character	istics		
·			
Total solids (250°C / 482°F)	25,83 %		
Explosive properties Oxidising properties	not applic not applic		
.			
SECTION 10. Stability	and reactivity		
0.1. Reactivity			
There are no particular risks	of reaction with other substances i	n normal conditions of use.	
0.2. Chemical stability			
	al conditions of use and storage.		
POTASSIUM TETRAIODOM Sensitivity to light.	ERCURATE (II)		
SODIUM HYDROXIDE Hygroscopic.			
10.3. Possibility of hazardous re	eactions		
No hazardous reactions are	oreseeable in normal conditions o	f use and storage.	



Milwaukee Electronics Kft.

NH3-2 - Ammonia Reagent 2

FN

SECTION 10. Stability and reactivity .../>>

POTASSIUM TETRAIODOMERCURATE (II)

Risk of explosion with: Alkali metals. Risk of ignition or formation of inflammable gases or vapours with: halogen-halogen compounds.

SODIUM HYDROXIDE

Risk of explosion/exothermic reaction with: Acetone, Nitriles, phosphides, halogens, halogen-halogen compounds, chlorinated solvents, Ethylene oxide, Hydrazine hydrate, hydroxylamine, anhydrides, Peroxides, Acrolein, Acid chlorides, Acids, sulphuric acid, silver salt, hydrogen peroxide, organic nitro compounds, Water, Metals, Light metals. Possible formation of: Hydrogen. Violent reactions possible with: ammonium compounds, organic combustible substances, phenols. Generates dangerous gases or fumes in contact with: persulfates, Sodium borohydride, Oxides of phosphorus.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

POTASSIUM TETRAIODOMERCURATE (II) Strong heating.

SODIUM HYDROXIDE Exposure to the air, moisture and sources of heat.

10.5. Incompatible materials

SODIUM HYDROXIDE

Strong acids, ammonia, zinc, lead, aluminium, water and flammable liquids.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

toxicological effects of exposure to the product.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

POTASSIUM TETRAIODOMERCURATE (II)

Acute inhalation toxicity absorption, Acute toxicity estimate: 0,051 mg/l; dust/mist, Expert judgement - Acute dermal toxicity, LD50 rat: 75 mg/kg, absorption - Sensitisation, Sensitisation possible in predisposed persons - Specific target organ toxicity - repeated exposure, Target Organs: Kidney, May cause damage to organs through prolonged or repeated exposure.

SODIUM HYDROXIDE

Acute oral toxicity, Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach - Acute inhalation toxicity, Symptoms: burns of mucous membranes, Cough, Shortness of breath, Possible damages:, damage of respiratory tract - Skin irritation, Rabbit, Result: Causes severe burns - Eye irritation, Rabbit, Result: Irreversible effects on the eye, Causes serious eye damage. Risk of blindness! - Sensitisation, Patch test: human, Result: Does not cause skin sensitisation - Germ cell mutagenicity, Genotoxicity in vitro, Mutagenicity (mammal cell test): micronucleus, Result: negative, (Lit.) Ames test, Result: negative.

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

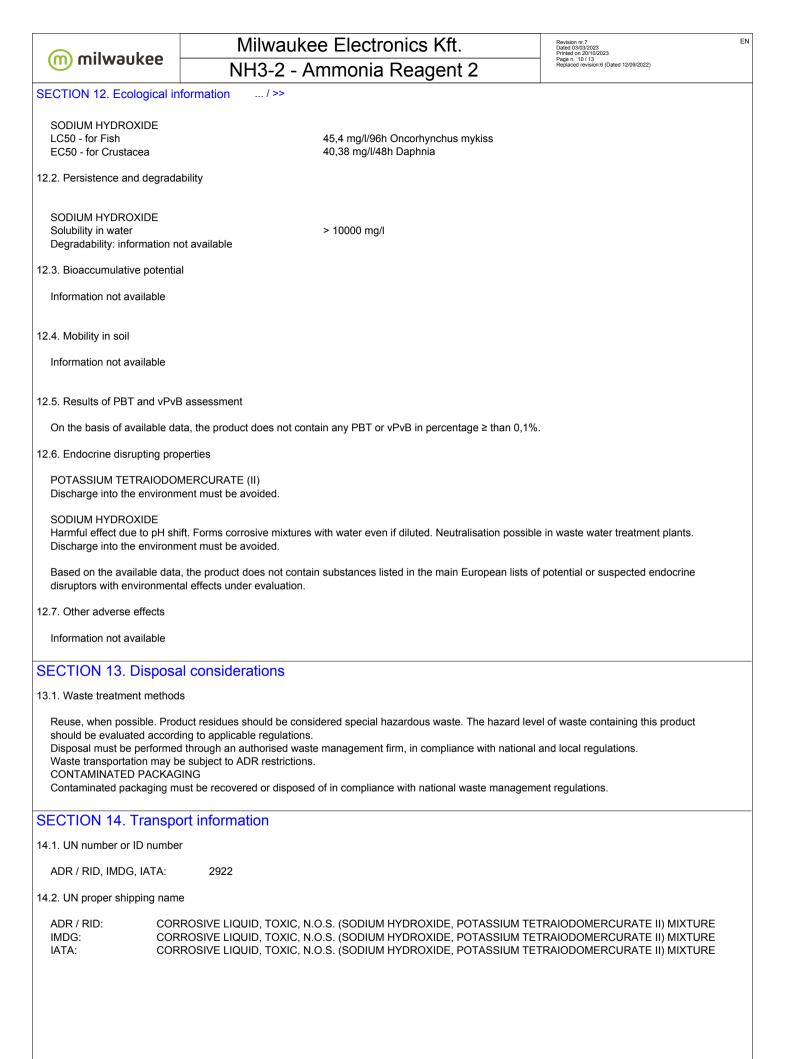
Information not available

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:

0,20 mg/l

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SECTION 11. Toxicologica	l information / >>		
ATE (Oral) of the mixture: ATE (Dermal) of the mixture	2:	2,00 mg/kg 20,00 mg/kg	
POTASSIUM TETR LD50 (Dermal): STA (Dermal): LD50 (Oral): STA (Oral): LC50 (Inhalation mi SODIUM HYDROX LD50 (Dermal): LD50 (Oral):		75 mg/kg Rat 5 mg/kg estimate from table 3.1.2 of Annex (figure used for calculation of the acute toxi 18 mg/kg Rat 0,5 mg/kg estimate from table 3.1.2 of Anne (figure used for calculation of the acute toxi 0,051 mg/l/4h 1350 mg/kg Rat 1350 mg/kg Rat	city estimate of the mixture) ex I of the CLP
SKIN CORROSION / IRRIT		1550 mg/kg tkat	
Corrosive for the skin SERIOUS EYE DAMAGE / Causes serious eye damag			
RESPIRATORY OR SKIN S	SENSITISATION		
Does not meet the classification	ation criteria for this hazard clas	S	
GERM CELL MUTAGENIC	ITY		
Does not meet the classification	ation criteria for this hazard clas	S	
Does not meet the classification	ation criteria for this hazard clas	S	
REPRODUCTIVE TOXICIT	Y		
Does not meet the classific	ation criteria for this hazard clas	S	
STOT - SINGLE EXPOSUR	RE		
Does not meet the classific	ation criteria for this hazard clas	S	
STOT - REPEATED EXPO	SURE		
May cause damage to orga	ns		
ASPIRATION HAZARD			
Does not meet the classification	ation criteria for this hazard clas	S	
11.2. Information on other haz	ards		
Based on the available data disruptors with human healt		substances listed in the main European lists of	potential or suspected endocrine
SECTION 12. Ecologi	cal information		
	or the environment and highly to or the environment and is toxic	oxic for aquatic organisms. for aquatic organisms. In the long term, it have	e negative effects on acquatic
12.1. Toxicity			
POTASSIUM TETRAIODO LC50 - for Fish EC50 - for Crustacea	(0,13 mg/l/96h Leuciscus idus 0,0052 mg/l/48h Daphnia magna	



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SECTION 14. Transpo	ort informat	ion / >>			
14.3. Transport hazard cl	ass(es)				
ADR / RID:	Class: 8	Label: 8 (6.1)			
IMDG:	Class: 8	Label: 8 (6.1)			
IATA:	Class: 8	Label: 8 (6.1)	B B B		
14.4. Packing group					
ADR / RID, IMDG, IAT	A:	I			
14.5. Environmental haza	ards				
ADR / RID:	Environmer	tally Hazardous			
IMDG:	Marine Poll	utant			
IATA:	NO		·		
For Air transport, envir	ronmentally	hazardous mark is only	mandatory for UN 3077 and UN 3082.		
14.6. Special precautions	for user				
ADR / RID:	I	HIN - Kemler: 86	Limited Quantities: 1 L	Tunnel restriction code: (E)	
IMDG: IATA:		Special provision: - EMS: F-A, S-B Cargo: Pass.: Special provision:	Limited Quantities: 1 L Maximum quantity: 30 L Maximum quantity: 1 L A3, A803	Packaging instructions: 855 Packaging instructions: 851	
14.7. Maritime transport i	n bulk accor	ding to IMO instruments	5		
Information not releva	nt				
		formation			
SECTION 15. Reg	Julatory II	normation			
15.1. Safety, health and e	environment	al regulations/legislatior	n specific for the substance or mixture		
Seveso Category - Dir	ective 2012	(18/EU:	H1-E1		
	the product	or contained substance	es pursuant to Annex XVII to EC Regula	ation 1907/2006	
Product Point	3				
Contained substance Point	9 75				
Regulation (EU) 2019/ not applicable	(1148 - on th	e marketing and use of	explosives precursors		
Substances in Candid On the basis of availab			in any SVHC in percentage ≥ than 0,1%	%.	
Substances subject to None	authorisatic	n (Annex XIV REACH)	_		
Substances subject to None	exportation	reporting pursuant to R	egulation (EU) 649/2012:		
				EPY 11.3.0	- SDS 1004.14





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SECTION 16. Other information ... / >>

- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 12. Regulation (EU) 2016/11/9 (IX Atp. CLP
- 13. Regulation (EU) 2017/776 (X Atp. CLP) 14. Regulation (EU) 2018/669 (XI 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: 03 / 08 / 09 / 11 / 12. 13/03/2023 on 20/10/2023 13 / 13

on:6 (Dated 12/09/2022)