

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form	: Mixture
Name	: Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack
Trade name	: Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack
UFI	: 9A50-9039-W00J-UV8W
EC Index-No.	: 011-002-00-6
EC-No.	: 215-185-5
CAS-No.	: 1310-73-2
Product code	: MMIS-011-001
Formula	: HNaO

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

Main use category : Laboratory use

1.3. Details of the supplier of the safety data sheet

labbox labware s.l.
Migjorn, 1
P.O. Box Barcelona (SPAIN)
08338 Premia de Dalt, SPAIN
ES
T +34 937 07 79 70, F +34 937 909 532
info@labbox.com, www.labbox.com

1.4. Emergency telephone number

Emergency number : +34 937 077 970 (For technical information_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Corrosive to metals, Category 1	H290
Skin corrosion/irritation, Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318
Full text of H and EUH statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: Sodium hydroxide micropearls

Hazard statements (CLP)

: H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor/physician.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
POLYVINYL CHLORIDE	CAS-No.: 9002-86-2	95 – 100	Not classified
Sodium hydroxide micropearls	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	25 – 50	Met. Corr. 1, H290 Skin Corr. 1A, H314
CELLULOSE	CAS-No.: 9004-34-6 EC-No.: 232-674-9	1 – 10	Not classified
	CAS-No.: 7783-33-7	0,1 – 1	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Sodium hydroxide micropearls	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	(0,5 \leq C < 2) Eye Irrit. 2; H319 (0,5 \leq C < 2) Skin Irrit. 2; H315 (2 \leq C < 5) Skin Corr. 1B; H314 (5 \leq C < 100) Skin Corr. 1A; H314

Full text of H and EUH statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Get medical advice/attention. Give oxygen or artificial respiration if necessary. Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Gently wash with plenty of soap and water. Get immediate medical advice/attention.
First-aid measures after eye contact	: Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Do not induce vomiting because of corrosive effects. Drink plenty of water. Get medical advice/attention.

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

Symptoms/effects after inhalation	: Shortness of breath.
Symptoms/effects after skin contact	: Irritation. Burns.
Symptoms/effects after eye contact	: Risk of serious damage to eyes.

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	: In case of fire, all extinguishing media allowed. Foam. Water spray. Dry chemical, CO ₂ , dry sand, or alcohol-resistant foam.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Non combustible. Vapours are heavier than air and may spread along floors.
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5.3. Advice for firefighters

Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing. Do not attempt to take action without suitable protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Do not inhale vapour.
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6.2. Environmental precautions

Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.
- 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

- Storage conditions : Keep cool. Protect from sunlight. Store in original container.

Switzerland

- Storage class (LK) : LK 8 - Corrosive materials

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Sodium hydroxide micropearls (1310-73-2)

France - Occupational Exposure Limits

Local name	Hydroxyde de sodium
VME (OEL TWA)	2 mg/m ³
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

Greece - Occupational Exposure Limits

Local name	Υδροξείδιο του νατρίου
OEL TWA	2 mg/m ³
OEL STEL	2 mg/m ³
Regulatory reference	Π.Δ. 90/1999

Portugal - Occupational Exposure Limits

Local name	Hidróxido de sódio
OEL Ceiling	2 mg/m ³ 2 ppm
Regulatory reference	Norma Portuguesa NP 1796:2014

Spain - Occupational Exposure Limits

Local name	Hidróxido de sodio
VLA-EC (OEL STEL)	2 mg/m ³
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT

United Kingdom - Occupational Exposure Limits

Local name	Sodium hydroxide
WEL STEL	2 mg/m ³
Regulatory reference	EH40/2005 (Third edition, 2018). HSE

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DNEL and PNEC

Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack (1310-73-2)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	1 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m ³

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

EN 374.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Hand protection:

Nitrile rubber (NBR) /

Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. Dust formation: dust mask

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use. Wash hands with water as a precaution.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: 323 °C Decomposition: 'no' Sublimation: 'no'
Freezing point	: Not available
Boiling point	: 1388 °C Atm. press.: 101,325 kPa Decomposition: 'no'
Flammability	: Not available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 14
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Miscible with water.

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Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 2,13 g/cm ³ Type: 'density' Temp.: 20 °C
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable
Particle size	: Not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Reacts violently with (some) acids. nitrites.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Aluminium. ZINC POWDER. Metals. May be corrosive to metals. Strong acids. alkali metals. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium hydroxide micropearls (1310-73-2)	
LD50 oral	325 mg/kg Rabbit

Skin corrosion/irritation	: Causes severe skin burns. pH: 14
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Sodium hydroxide micropearls (1310-73-2)	
pH	> 13 (0.5%)

Serious eye damage/irritation	: Causes serious eye damage. pH: 14
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Sodium hydroxide micropearls (1310-73-2)	
pH	> 13 (0.5%)

Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

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STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Sodium hydroxide micropearls (1310-73-2)

Viscosity, kinematic	10,5 (30% - 20°)
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack (1310-73-2)

EC50 - Daphnia [1]	40,4 mg/l Test organisms (species): Ceriodaphnia sp.
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Sodium hydroxide micropearls (1310-73-2)

EC50 - Daphnia [1]	40,4 mg/l Test organisms (species): Ceriodaphnia sp.
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12.2. Persistence and degradability

Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack (1310-73-2)

Persistence and degradability	Rapidly degradable
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CELLULOSE (9004-34-6)

Persistence and degradability	Rapidly degradable
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POLYVINYL CHLORIDE (9002-86-2)

Persistence and degradability	Rapidly degradable
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Sodium hydroxide micropearls (1310-73-2)

Persistence and degradability	Rapidly degradable
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(7783-33-7)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Ammonium indicator strips 0-400 mg/l (ppm), 100 strips/pack (1310-73-2)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects

Other adverse effects : May cause pH changes in aqueous ecological systems.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Must follow special treatment according to local regulation.
Sewage disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR) : UN 3316
UN-No. (IMDG) : UN 3316
UN-No. (IATA) : UN 3316
UN-No. (ADN) : UN 3316
UN-No. (RID) : UN 3316

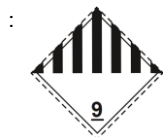
14.2. UN proper shipping name

Proper Shipping Name (ADR) : CHEMICAL KIT
Proper Shipping Name (IMDG) : CHEMICAL KIT
Proper Shipping Name (IATA) : Chemical kit
Proper Shipping Name (ADN) : CHEMICAL KIT
Proper Shipping Name (RID) : CHEMICAL KIT
Transport document description (ADR) (ADR) : UN 3316 CHEMICAL KIT, 9, II, (E)
Transport document description (IMDG) : UN 3316 CHEMICAL KIT, 9, II
Transport document description (IATA) : UN 3316 Chemical kit, 9, II
Transport document description (ADN) : UN 3316 CHEMICAL KIT, 9, II
Transport document description (RID) : UN 3316 CHEMICAL KIT, 9, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9
Danger labels (IATA) : 9



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ADN

Transport hazard class(es) (ADN) : 9
Danger labels (ADN) : 9
:



RID

Transport hazard class(es) (RID) : 9
Danger labels (RID) : 9
:



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-P
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M11
Special provisions (ADR) : 251, 340, 671
Limited quantities (ADR) : See SP 251
Excepted quantities (ADR) : See SP 340
Packing instructions (ADR) : P901
Transport category (ADR) : 2
Tunnel restriction code (ADR) : E
EAC code : 2Z

Transport by sea

Special provisions (IMDG) : 251, 340
Limited quantities (IMDG) : SP251
Excepted quantities (IMDG) : SP340
Packing instructions (IMDG) : P901
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y960
PCA limited quantity max net quantity (IATA) : 1kg
PCA packing instructions (IATA) : 960
PCA max net quantity (IATA) : 10kg
CAO packing instructions (IATA) : 960
CAO max net quantity (IATA) : 10kg
Special provisions (IATA) : A44, A163
ERG code (IATA) : 9L

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Inland waterway transport

Classification code (ADN)	: M11
Special provisions (ADN)	: 251, 340, 671
Limited quantities (ADN)	: See SP 251
Excepted quantities (ADN)	: See SP 340
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: M11
Special provisions (RID)	: 251, 340, 671
Limited quantities (RID)	: see SP251
Excepted quantities (RID)	: see SP340
Packing instructions (RID)	: P901
Transport category (RID)	: See SP 671
Hazard identification number (RID)	: 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

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National regulations

France

Occupational diseases	
Code	Description
RG 2	Occupational diseases caused by mercury and its compounds

Germany

VOC ordinance (ChemVOCFarbV)

:

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK)

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen

: CELLULOSE is listed

SZW-lijst van mutagene stoffen

: CELLULOSE is listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Vruchtbaarheid

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Ontwikkeling

: None of the components are listed

Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Safety Data Sheet (SDS), EU

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.