

Mascia Brunelli S.p.A.

UA80100-UA80110 – PCR LATEX

Scheda di Dati di Sicurezza / Safety Data Sheet

Conforme all'Allegato II del REACH - Regolamento (UE) 2020/878
According to Annex II to REACH - Regulation 2020/878

Codice / Code: UA80100 – UA80110

Nome prodotto / Product name: PCR LATEX

Descrizione d'uso / Intended use: Test di agglutinazione al lattice/Latex test agglutination

Fornitore / Supplier: Mascia Brunelli S.p.A.
Viale Monza 272, 20128 Milano, Italia.
Tel.: 0039 02 252091
Fax: 0039 02 2576428
E-mail: mktg@masciabrunelli.it

Componenti del kit / Kit components:

1. PCR LATEX
2. PCR CONTROL +
3. PCR CONTROL -



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Revision nr. 4

Dated 22/03/2022

Printed on 22/03/2022

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SAFETY DATA SHEET

According to Annex II to REACH – Regulation 2020/878 and to Annex II to UK REACH

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

1.1 Product identifiers

Code: **UA80100-UA80110**
Product name: **LATEX (reagent)**

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use: Latex test agglutination

1.3 Details of the supplier of the safety data sheet

Name: **Mascia Brunelli S.p.A.**
Full address: **Viale Monza, 272**
District and Country: **20128 Milano (Milano)**
Italia

Tel. **0039 02 252091**

Fax **0039 02 2576428**

e-mail address of the competent person

responsible for the Safety Data Sheet: [**mktg@masciabrunelli.it**](mailto:mktg@masciabrunelli.it)

1.4 Emergency telephone number

For urgent inquiries refer to
NHS111 in England: 111
NHS24 in Scotland: 111
NHS Direct in Wales: 111 or 0845 4647
In an emergency, if the patient has collapsed or is not breathing properly, call 999

SECTION 2: Hazards identification

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:
Reproductive toxicity, category 1B H360 May damage fertility or the unborn child.

2.2 Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: **Danger**

Hazard statements:

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains: BORIC ACID (H₃BO₃)



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2.3 Other hazards

Contains material from animal origin. No known test method can guarantee that products derived from human or animal sources will not transmit infectious agents. It is recommended that this product and assay material be handled as potential biohazard.

Component

Boric acid (H₃BO₃) (10043-35-3)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, 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.

Component

Boric acid (H₃BO₃) (10043-35-3)

The substance is not 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

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|---|---------------|-------------------------------------|
| BORIC ACID (H₃BO₃) | | |
| CAS 10043-35-3 | 0,1 ≤ x < 0,5 | Repr. 1B, H360FD |
| EC 233-139-2 | | |
| INDEX – No.: 005-007-00-2 | | |
| REACH-no: 01-2119486683-25 | | |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: First aid measures

4.1. Description of 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).

EYES: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

SKIN: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

INGESTION: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

INHALATION: Allow affected person to breathe fresh air. Allow the victim to rest.

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

Symptoms and effects: 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

Information not available

SECTION 5: Fire fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: Foam. Dry powder. Carbon dioxide. Water spray. Sand.



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UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Information not available.

5.3. Advice for firefighters

FIREFIGHTING INSTRUCTIONS

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

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

FOR NON-EMERGENCY PERSONNEL

Emergency procedures: evacuate unnecessary personnel.

FOR EMERGENCY PERSONNEL

Protective equipment: equip cleanup crew with proper protection.

Emergency procedures: ventilate area.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and 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.

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

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a cool, well ventilated place, away from heat sources. Keep containers away from any incompatible products: strong bases, strong acids. Keep containers away from any incompatible materials: sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Information not available



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SODIUM AZIDE (26628-22-8)

| | | |
|----------------------|-----|-------------------------------|
| VLA-ED (OEL TWA) (1) | 0,1 | mg/m ³ Dermal, VLI |
| VLA-EC (OEL STEL) | 0,3 | mg/m ³ Dermal, VLI |

BORIC ACID (H₃BO₃) (10043-35-3)

| | | |
|----------------------|---|---------------------------|
| VLA-ED (OEL TWA) (1) | 2 | mg/m ³ TR1A, s |
| VLA-EC (OEL STEL) | 6 | mg/m ³ TR1A, s |

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.

HAND PROTECTION

Wear protective gloves.

SKIN PROTECTION

Wear protective gloves.

EYE PROTECTION

Wear chemical goggles or safety glasses.

Avoid all unnecessary exposure.

RESPIRATORY PROTECTION

Wear appropriate mask. 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 A 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

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--------------------------------|---------------|-------------|
| Appearance | liquid | |
| Colour | white | |
| Odour | odorless | |
| Melting point / freezing point | Not available | |
| Initial boiling point | Not available | |
| Flammability | Non flammable | |

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| | |
|--|----------------|
| Lower explosive limit | Not available |
| Upper explosive limit | Not available |
| Flash point | Not available |
| Auto-ignition temperature | Not available |
| pH | 8,1 - 8,3 |
| Kinematic viscosity | Not available |
| Solubility | Not available |
| Partition coefficient: n-octanol/water | Not available |
| Vapour pressure | Not available |
| Density and/or relative density | Not available |
| Relative vapour density | Not available |
| Particle characteristics | Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Information not available.

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.

10.5. Incompatible materials

Not known when used appropriately.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity (oral): not classified



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Acute toxicity (dermal): not classified
Acute toxicity (inhalation): not classified

| BORIC ACID (H₃BO₃) (10043-35-3) | | |
|--|--------|---------|
| LD50 oral rat | 2660 | mg/kg |
| LD50 dermal rabbit | > 2000 | |
| LC50 inhalation – Rat (Dust/Mist) | > 2 | mg/l/4h |

SKIN CORROSION / IRRITATION

not classified. pH: 8,1 – 8,3

Additional information: based on available data, the classification criteria are not met

SERIOUS EYE DAMAGE / IRRITATION

not classified. pH: 8,1 – 8,3

Additional information: based on available data, the classification criteria are not met

RESPIRATORY OR SKIN SENSITISATION

not classified.

Additional information: based on available data, the classification criteria are not met

GERM CELL MUTAGENICITY

not classified.

Additional information: based on available data, the classification criteria are not met

CARCINOGENICITY

not classified.

Additional information: based on available data, the classification criteria are not met

REPRODUCTIVE TOXICITY

May damage fertility or the unborn child.

Additional information: based on available data, the classification criteria are not met

STOT - SINGLE EXPOSURE

not classified.

Additional information: based on available data, the classification criteria are not met

STOT - REPEATED EXPOSURE

not classified.

Additional information: based on available data, the classification criteria are not met

ASPIRATION HAZARD

not classified.

Additional information: based on available data, the classification criteria are not met



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11.2. Information on other hazards

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

SECTION 12: Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

| BORIC ACID (H₃BO₃) (10043-35-3) | | |
|--|-----|--|
| LC50 – Fish (1) | 74 | mg/l (Limanda Limanda – 96 h – B ₄ Na ₂ O ₇) |
| LC50 – Fish (2) | 150 | mg/l |
| EC50 – Crustacea (1) | 133 | mg/l (daphnia magna – 48 h) |

12.2. Persistence and degradability

| PCR LATEX | |
|-------------------------------|-----------------|
| Persistence and degradability | Nor established |

12.3. Bioaccumulative potential

| PCR LATEX | |
|---------------------------|-----------------|
| Bioaccumulative potential | Nor established |

| BORIC ACID (H₃BO₃) (10043-35-3) | |
|--|--------------|
| Partition coefficient n-octanol/water (Log Pow) | 0,757 (25°C) |

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

| Component | |
|--|---|
| Boric acid (H₃BO₃) (10043-35-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

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

Avoid release to the environment.



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations: dispose in a safe manner in accordance with local/national regulations.
Ecology – waste materials: avoid release to the environment.

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Boric acid (H₃BO₃) (EC 233-139-2, CAS 10043-35-3)

Contains no REACH Annex XIV substances

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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.

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

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.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| | |
|-----------------|--|
| H360 | May damage fertility or the unborn child. |
| H360FD | May damage fertility. May damage the unborn child. |
| Repr. 1B | Reproductive toxicity, Category 1B. |

Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP):

| | | |
|-----------------|------|--------------------|
| Repr. 1B | H360 | Calculation method |
|-----------------|------|--------------------|

The classification copplies with: ATP 12

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- 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
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 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)
- 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.



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SAFETY DATA SHEET

According to Annex II to REACH – Regulation 2020/878 and to Annex II to UK REACH

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

1.1 Product identifiers

Code: **UA80100-UA80110**
Product name: **POSITIVE CONTROL (reagent)**

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

Identified use: Positive control for latex test agglutination

1.3 Details of the supplier of the safety data sheet

Name: **Mascia Brunelli S.p.A.**
Full address: **Viale Monza, 272**
District and Country: **20128 Milano (Milano)**
Italia

Tel. **0039 02 252091**

Fax **0039 02 2576428**

e-mail address of the competent person

responsible for the Safety Data Sheet

mktg@masciabrunelli.it

1.4 Emergency telephone number

For urgent inquiries refer to

NHS111 in England: 111

NHS24 in Scotland: 111

NHS Direct in Wales: 111 or 0845 4647

In an emergency, if the patient has collapsed or is not breathing properly, call 999

SECTION 2: Hazards identification

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:

Skin sensitisation, category 1

H317

May cause an allergic skin reaction

2.2 Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Warning

Hazard statements:

H317

May cause an allergic skin reaction

Precautionary statements:

P261

Avoid breathing vapours.

P272

Contaminated work clothing should not be allowed out of the workplace.

P501

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains:

2-Methyl-2H-isothiazol-3-one (Proclin 950)



2.3 Other hazards

Components from human origin have been tested and found negative for the presence of HbsAg, HCV and antibody to HIV (1/2). However handle cautiously as potentially infectious.

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

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) | Specific concentration limits |
|---|-------------|-------------------------------------|--|
| 2-methylisothiazol-3(2H)-one (Proclin 950) | | | |
| CAS 2682-20-4 | x < 0,1 | Acute Tox. 2 (Inhalation), H330 | (0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317 |
| EC 220-239-6 | | Acute Tox. 3 (Dermal), H311 | |
| INDEX – No.: 613-326-00-9 | | Acute Tox. 3 (Oral), H301 | |
| REACH-no: - | | Skin Corr. 1B, H314 | |
| | | Eye Dam. 1, H318 | |
| | | Skin Sens. 1A, H317 | |
| | | Aquatic Acute 1, H400 (M=10) | |
| | | Aquatic Chronic 1, H410 | |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: First aid measures

4.1. Description of 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).

EYES: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

SKIN: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

INGESTION: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

INHALATION: Allow affected person to breathe fresh air. Allow the victim to rest.

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

Symptoms and effects: 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

Information not available

SECTION 5: Fire fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture



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Information not available.

5.3. Advice for firefighters

FIREFIGHTING INSTRUCTIONS

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting 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

FOR NON-EMERGENCY PERSONNEL

Emergency procedures: evacuate unnecessary personnel.

FOR EMERGENCY PERSONNEL

Protective equipment: equip cleanup crew with proper protection.

Emergency procedures: ventilate area.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and 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.

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

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a cool, well ventilated place, away from heat sources. Keep containers away from any incompatible products: strong bases, strong acids. Keep containers away from any incompatible materials: sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Information not available

SECTION 8: Exposure controls/personal protection



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8.1. Control parameters

SODIUM AZIDE (26628-22-8)

| | | |
|----------------------|-----|-------------------------------|
| VLA-ED (OEL TWA) (1) | 0,1 | mg/m ³ Dermal, VLI |
| VLA-EC (OEL STEL) | 0,3 | mg/m ³ Dermal, VLI |

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.

HAND PROTECTION

Wear protective gloves.

SKIN PROTECTION

Wear protective gloves.

EYE PROTECTION

Wear chemical goggles or safety glasses.

Avoid all unnecessary exposure.

RESPIRATORY PROTECTION

Wear appropriate mask. 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 A 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

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--------------------------------|---------------|-------------|
| Appearance | liquid | |
| Colour | colourless | |
| Odour | odorless | |
| Melting point / freezing point | Not available | |
| Initial boiling point | Not available | |
| Flammability | Non flammable | |
| Lower explosive limit | Not available | |
| Upper explosive limit | Not available | |
| Flash point | Not available | |
| Auto-ignition temperature | Not available | |
| pH | 8,1 - 8,3 | |
| Kinematic viscosity | Not available | |

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| | |
|--|----------------|
| Solubility | Not available |
| Partition coefficient: n-octanol/water | Not available |
| Vapour pressure | Not available |
| Density and/or relative density | Not available |
| Relative vapour density | Not available |
| Particle characteristics | Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Information not available.

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.

10.5. Incompatible materials

Not known when used appropriately.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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

SKIN CORROSION / IRRITATION

not classified. pH: 8,1 – 8,3

Additional information: based on available data, the classification criteria are not met



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SERIOUS EYE DAMAGE / IRRITATION

not classified. pH: 8,1 – 8,3

Additional information: based on available data, the classification criteria are not met

RESPIRATORY OR SKIN SENSITISATION

May cause an allergic skin reaction.

Additional information: based on available data, the classification criteria are not met

GERM CELL MUTAGENICITY

not classified.

Additional information: based on available data, the classification criteria are not met

CARCINOGENICITY

not classified.

Additional information: based on available data, the classification criteria are not met

REPRODUCTIVE TOXICITY

Not classified.

Additional information: based on available data, the classification criteria are not met

STOT - SINGLE EXPOSURE

not classified.

Additional information: based on available data, the classification criteria are not met

STOT - REPEATED EXPOSURE

not classified.

Additional information: based on available data, the classification criteria are not met

ASPIRATION HAZARD

not classified.

Additional information: based on available data, the classification criteria are not met

11.2. Information on other hazards

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

SECTION 12: Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

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



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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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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.

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

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.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

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| | |
|----------------------|--|
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Sens. 1° | Skin sensitization, category 1A |

Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP):

Skin Sens. 1 H317 Calculation method

The classification copplies with: ATP 12

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- 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).

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12. Regulation (EU) 2016/1179 (IX Atp. CLP)
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)
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- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
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- 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.



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SAFETY DATA SHEET

According to Annex II to REACH – Regulation 2020/878 and to Annex II to UK REACH

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

1.1 Product identifiers

Code: **UA80100-UA80110**
Product name: **NEGATIVE CONTROL (reagent)**

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

Identified use: **Negative control for latex test agglutination**

1.3 Details of the supplier of the safety data sheet

Name: **Mascia Brunelli S.p.A.**
Full address: **Viale Monza, 272**
District and Country: **20128 Milano (Milano)**
Italia

Tel. **0039 02 252091**

Fax **0039 02 2576428**

e-mail address of the competent person

responsible for the Safety Data Sheet

mktg@masciabrunelli.it

1.4 Emergency telephone number

For urgent inquiries refer to

NHS111 in England: 111
NHS24 in Scotland: 111
NHS Direct in Wales: 111 or 0845 4647
In an emergency, if the patient has collapsed or is not breathing properly, call 999

SECTION 2: Hazards identification

2.1 Classification of the substance 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 labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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 \geq 0.1%.

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: Fire fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: Foam. Dry powder. Carbon dioxide. 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 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

No additional information 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 A 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 | Value | Information |
|------------|-------------|-------------|
| Appearance | liquid | |
| Colour | transparent | |
| Odour | odorless | |

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| | |
|--|----------------|
| Melting point / freezing point | Not available |
| Initial boiling point | Not available |
| Flammability | Non flammable |
| Lower explosive limit | Not available |
| Upper explosive limit | Not available |
| Flash point | > 60°C |
| Auto-ignition temperature | Not available |
| pH | Not available |
| Kinematic viscosity | Not available |
| Solubility | Not available |
| Partition coefficient: n-octanol/water | Not available |
| Vapour pressure | Not available |
| Density and/or relative density | Not available |
| Relative vapour density | Not available |
| Particle characteristics | Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10: Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use..

10.2. Chemical stability

The product is stable in normal 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. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available



SECTION 11: Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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

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

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class



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ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

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

SECTION 12: Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. 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%.

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.



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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

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

Seveso Category - Directive 2012/18/EU: None

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

None

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%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16: Other information

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- 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).

**UA80100-UA80110 – PCR TEST****GENERAL BIBLIOGRAPHY**

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 - 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.