

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

## \* 1 Identification

- **Product identifier**
- **Trade name:** QCI-096, PEI-096
- **Other means of identification**
- **Application of the substance / the mixture** For Laboratory Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
NSI Lab Solutions  
7212 ACC Blvd.,  
Raleigh, NC 27617  
USA

Australian Supplier:  
Choice Analytical  
PO Box 28 Thornleigh NSW 2120 Australia  
Telephone: +61-2-9980-6240  
Fax: +61-2-9980-6344  
choiceanalytical.com.au  
Email: info@choiceanalytical.com.au

- **Information department:** Product safety department
- **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

## \* 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Information pertaining to particular dangers for man and environment:**
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Classification according to (d)(1)(ii) of § 1910.1200**  
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 1)

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

## \* 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:** Void

· **Non-hazardous components**

|           |                                                     |          |
|-----------|-----------------------------------------------------|----------|
| 7732-18-5 | water, distilled, conductivity or of similar purity | 80–100%  |
| 7681-52-9 | sodium hypochlorite, solution                       | ≥0–≤0.1% |

## 4 First-aid measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

## \* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:** Dilute with plenty of water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Protective Action Criteria for Chemicals**

|                 |                               |                     |
|-----------------|-------------------------------|---------------------|
| · <b>PAC-1:</b> |                               |                     |
| 7681-52-9       | sodium hypochlorite, solution | 2 mg/m <sup>3</sup> |
| · <b>PAC-2:</b> |                               |                     |
| 7681-52-9       | sodium hypochlorite, solution | 2.0 ppm             |
| · <b>PAC-3:</b> |                               |                     |
| 7681-52-9       | sodium hypochlorite, solution | 20 ppm              |

· **Reference to other sections**

See Section 7 for information on safe handling.

(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 2)

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing

## \* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Liquid
- **Color:** Colorless
- **Odor:** Odorless
- **Odor threshold:** Not determined.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 3)

|                                                                                        |                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------|
| · <b>Melting point/Melting range:</b>                                                  | 0 °C (32 °F)                                             |
| · <b>Boiling point/Boiling range:</b>                                                  | 100 °C (212 °F)                                          |
| · <b>Flammability:</b>                                                                 | Not applicable.                                          |
| · <b>Explosion limits:</b>                                                             |                                                          |
| · <b>Lower:</b>                                                                        | Not determined.                                          |
| · <b>Upper:</b>                                                                        | Not determined.                                          |
| · <b>Flash point:</b>                                                                  | Not applicable.                                          |
| · <b>Decomposition temperature:</b>                                                    | Not determined.                                          |
| · <b>pH-value:</b>                                                                     | Not determined.                                          |
| · <b>Viscosity:</b>                                                                    |                                                          |
| · <b>Kinematic:</b>                                                                    | Not determined.                                          |
| · <b>Dynamic at 20 °C (68 °F):</b>                                                     | 0.952 mPas                                               |
| · <b>Solubility in / Miscibility with</b>                                              |                                                          |
| · <b>Water:</b>                                                                        | Fully miscible.                                          |
| · <b>Partition coefficient (n-octanol/water):</b>                                      | Not determined.                                          |
| · <b>Vapor pressure at 20 °C (68 °F):</b>                                              | 23 hPa (17.3 mm Hg)                                      |
| · <b>Vapor pressure:</b>                                                               |                                                          |
| · <b>Density at 20 °C (68 °F):</b>                                                     | 0.9999–1.00012 g/cm <sup>3</sup> (8.34417–8.346 lbs/gal) |
| · <b>Relative density</b>                                                              | Not determined.                                          |
| · <b>Vapor density</b>                                                                 | Not determined.                                          |
| · <b>Particle characteristics</b>                                                      | Not applicable.                                          |
| · <b>Other information</b>                                                             |                                                          |
| · <b>Appearance:</b>                                                                   |                                                          |
| · <b>Form:</b>                                                                         | Fluid                                                    |
| · <b>Important information on protection of health and environment, and on safety.</b> |                                                          |
| · <b>Ignition temperature:</b>                                                         | Product is not selfigniting.                             |
| · <b>Danger of explosion:</b>                                                          | Product does not present an explosion hazard.            |
| · <b>Solvent content:</b>                                                              |                                                          |
| · <b>Water:</b>                                                                        | 100.0 %                                                  |
| · <b>VOC content:</b>                                                                  | 0.00 %                                                   |
|                                                                                        | 0.0 g/l / 0.00 lb/gal                                    |
| · <b>Solids content:</b>                                                               | 0.0 %                                                    |
| · <b>Change in condition</b>                                                           |                                                          |
| · <b>Evaporation rate</b>                                                              | Not determined.                                          |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

— US —  
(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 4)

## \*11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients is listed.
- **NTP (National Toxicology Program)**  
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients is listed.
- **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

— US —  
(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 5)

## 14 Transport information

|                                                                                   |                 |
|-----------------------------------------------------------------------------------|-----------------|
| · <b>UN-Number</b>                                                                |                 |
| · <b>DOT, IMDG, IATA</b>                                                          | not regulated   |
| · <b>UN proper shipping name</b>                                                  |                 |
| · <b>DOT, IMDG, IATA</b>                                                          | not regulated   |
| · <b>Transport hazard class(es)</b>                                               |                 |
| · <b>DOT, ADN, IMDG, IATA</b>                                                     |                 |
| · <b>Class</b>                                                                    | not regulated   |
| · <b>Packing group</b>                                                            |                 |
| · <b>DOT, IMDG, IATA</b>                                                          | not regulated   |
| · <b>Environmental hazards:</b>                                                   | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable. |
| · <b>Special precautions for user</b>                                             | Not applicable. |
| · <b>UN "Model Regulation":</b>                                                   | not regulated   |

## 15 Regulatory information

|                                                                                                         |                                            |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------|
| · <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | No further relevant information available. |
| · <b>Sara</b>                                                                                           |                                            |
| · <b>Section 355 (extremely hazardous substances):</b>                                                  |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Section 313 (Specific toxic chemical listings):</b>                                                |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>TSCA (Toxic Substances Control Act):</b>                                                           |                                            |
|                                                                                                         | All components have the value ACTIVE.      |
| · <b>Hazardous Air Pollutants</b>                                                                       |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Proposition 65</b>                                                                                 |                                            |
| · <b>Chemicals known to cause cancer:</b>                                                               |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Chemicals known to cause reproductive toxicity for females:</b>                                    |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Chemicals known to cause reproductive toxicity for males:</b>                                      |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Chemicals known to cause developmental toxicity:</b>                                               |                                            |
|                                                                                                         | None of the ingredients is listed.         |
| · <b>Carcinogenic categories</b>                                                                        |                                            |
| · <b>EPA (Environmental Protection Agency)</b>                                                          |                                            |
|                                                                                                         | None of the ingredients is listed.         |

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: QCI-096, PEI-096

(Contd. of page 6)

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Environment protection department.

· **Contact:** - Department Technical Manager

· **Date of previous version** 03/28/2024

· **Date of preparation** 06/30/2026

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· **\* Data compared to the previous version altered.**