

# SAFETY DATA SHEET

Issue Date 26-Oct-2015 Revision Date 26-Oct-2015 Version 1

## 1. IDENTIFICATION

Product identifier

Product Name Total Residual Chlorine Concentrate - 0.100 mg/L

Other means of identification

Product Code QCI-183 UN/ID no. 1791 Synonyms None

Recommended use of the chemical and restrictions on use
Recommended Use For Laboratory Use Only.
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address NSI Lab Solutions, Inc. 7212 ACC Blvd. Raleigh, NC 27617

Emergency telephone number

**Company Phone Number** 800-234-7837 **FAX** 919-789-3019

Website www.nsilabsolutions.com E-mail address nsi@nsilabsolutions.com

Emergency Telephone 919-349-7322

# 2. HAZARDS IDENTIFICATION

## Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

# Label elements

# **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance No information available Physical state Liquid Odor No information available

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Revision Date 26-Oct-2015

#### Substance

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Refer to Certificate of Analysis for exact percentage concentration.

### 4. FIRST AID MEASURES

### **Description of first aid measures**

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of any immediate medical attention and special treatment needed

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

No information available.

#### **Explosion data**

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

#### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

# 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials**None known based on information supplied.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls** 

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** No special technical protective measures are necessary.

**Skin and body protection**No special technical protective measures are necessary.

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state Liquid

AppearanceNo information availableOdorNo information availableColorNo information availableOdor thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH No information available
Melting point / freezing point
Boiling point / boiling range
Flash point
Evaporation rate
Flammability (solid, gas)
Flammability Limit in Air

No information available
No information available
No information available

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density
Relative density
Water solubility
No information available

Solubility in other solvents No information available **Partition coefficient** No information available No information available **Autoignition temperature** No information available **Decomposition temperature** Kinematic viscosity No information available **Dynamic viscosity** No information available **Explosive properties** No information available **Oxidizing properties** No information available

**Other Information** 

Softening pointNo information availableMolecular weightNo information availableVOC Content (%)No information availableDensityNo information availableBulk densityNo information available

# 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

None under normal processing.

### **Conditions to avoid**

Extremes of temperature and direct sunlight.

# **Incompatible materials**

None known based on information supplied.

## **Hazardous Decomposition Products**

None known based on information supplied.

# 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Product Information No data available

**Inhalation** No data available.

**Eye contact** No data available.

**Skin contact** No data available.

**Ingestion** No data available.

| Chemical Name                    | Oral LD50          | Dermal LD50           | Inhalation LC50 |
|----------------------------------|--------------------|-----------------------|-----------------|
| Water<br>7732-18-5               | > 90 mL/kg(Rat)    | -                     | -               |
| Sodium hypochlorite<br>7681-52-9 | = 8200 mg/kg (Rat) | > 10000 mg/kg(Rabbit) | -               |

#### Information on toxicological effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Germ cell mutagenicityNo information available.

CarcinogenicityNo information available.Reproductive toxicityNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Aspiration hazardNo information available.

Numerical measures of toxicity - Product Information

# 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                    | Algae/aquatic plants                          | Fish | Crustacea  |
|----------------------------------|---|------|--|
| Water<br>7732-18-5               | -   | -    | -  |
| Sodium hypochlorite<br>7681-52-9 | 0.095: 24 h Skeletonema costatum<br>mg/L EC50 | ı    | 0.033 - 0.044: 48 h Daphnia magna<br>mg/L EC50 Static 2.1: 96 h Daphnia<br>magna mg/L EC50 |

## Persistence and degradability

No information available.

#### **Bioaccumulation**

No information available.

Other adverse effects No information available

# 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

**Contaminated packaging** Do not reuse container.

| Chemical Name                    | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|----------------------------------|------|--------------------------|------------------------|------------------------|
| Water<br>7732-18-5               | -    | -                        | -                      | -                      |
| Sodium hypochlorite<br>7681-52-9 | -    | -                        | -                      | -                      |

| Chemical Name                    | California Hazardous Waste Status |
|----------------------------------|-----------------------------------|
| Water<br>7732-18-5               | -                                 |
| Sodium hypochlorite<br>7681-52-9 | -                                 |

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|--------------------------------------|---------------------------|
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**DOT** 

**UN/ID no.** 1791

Proper shipping name Hypochlorite solutions

Hazard Class 8
Packing Group III
Reportable Quantity (RQ) 667 lbs

IATA

**UN/ID** no. 1791

Proper shipping name Hypochlorite solution

Hazard Class 8
Packing Group III

**IMDG** 

**UN/ID no.** 1791

Proper shipping name Hypochlorite solution

Hazard Class 8
Packing Group III
EmS-No. F-A, S-B

# 15. REGULATORY INFORMATION

**International Inventories** 

**TSCA** Complies **DSL/NDSL** Complies **EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies Complies **KECL** Complies **PICCS AICS** Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

#### **CWA (Clean Water Act)**

This product, as supplied, does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

### **U.S. State Right-to-Know Regulations**

## U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards 0 Flammability 0 Instability 0 Physical and Chemical

Properties -

HMIS Health hazards 0 Flammability 0 Physical hazards 0 Personal protection X

 Issue Date
 26-Oct-2015

 Revision Date
 26-Oct-2015

**Revision Note** 

No information available

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**