NALCO Water
An Ecolab Company

# SAFETY DATA SHEET

## SOLN S0407 PH 7.0 BUFFER

## Section: 1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---|---|---|
| Product name | : | SOLN S0407 PH 7.0 BUFFER |
| Other means of identification | : | Not applicable. |
| Recommended use | : | BUFFER |
| Restrictions on use | : | Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits. |
| Company | : | Nalco Company<br>1601 W. Diehl Road<br>Naperville, Illinois 60563-1198<br>USA<br>TEL: (630)305-1000 |
| Emergency telephone number | : | (800) 424-9300 (24 Hours) CHEMTREC |
| Issuing date | : | 05/17/2019 |

## Section: 2. HAZARDS IDENTIFICATION

**GHS Classification**

Not a hazardous substance or mixture.

**GHS Label element**

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
**Response:**
Get medical advice/ attention if you feel unwell.
**Storage:**
Store in accordance with local regulations.

**Other hazards** : None known.

## Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous ingredients

## Section: 4. FIRST AID MEASURES

| | | |
|---|---|---|
| In case of eye contact | : | Rinse with plenty of water. Get medical attention if symptoms occur. |
| In case of skin contact | : | Wash off with soap and plenty of water. Get medical attention if symptoms occur. |
| If swallowed | : | Rinse mouth. Get medical attention if symptoms occur. |
| If inhaled | : | Get medical attention if symptoms occur. |
| Protection of first-aiders | : | In event of emergency assess the danger before taking action. Do not put |

| | | |
|---|---|---|
| | | yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required. |
| Notes to physician | : | Treat symptomatically. |
| Most important symptoms and effects, both acute and delayed | : | See Section 11 for more detailed information on health effects and symptoms. |

## Section: 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : | None known. |
| Specific hazards during firefighting | : | Not flammable or combustible. |
| Hazardous combustion products | : | Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus |
| Special protective equipment for firefighters | : | Use personal protective equipment. |
| Specific extinguishing methods | : | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

## Section: 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Refer to protective measures listed in sections 7 and 8. |
| Environmental precautions | : | No special environmental precautions required. |
| Methods and materials for containment and cleaning up | : | Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Flush away traces with water. |

## Section: 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on safe handling | : | For personal protection see section 8. Wash hands after handling. |
| Conditions for safe storage | : | Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. |
| Suitable material | : | Keep in properly labelled containers. |
| Unsuitable material | : | not determined |

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

| | | |
|---|---|---|
| Engineering measures | : | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |

**Personal protective equipment**

| | | |
|---|---|---|
| Eye protection | : | Safety glasses |
| Hand protection | : | Wear protective gloves.<br>Impervious gloves, resistant to chemicals.<br>Nitrile rubber<br>butyl-rubber<br>Neoprene<br>Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. |
| Skin protection | : | Wear suitable protective clothing. |
| Respiratory protection | : | No personal respiratory protective equipment normally required. |
| Hygiene measures | : | Wash hands before breaks and immediately after handling the product. |

## Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | Liquid |
| Colour | : | Colorless |
| Odour | : | None |
| Flash point | : | does not flash |
| pH | : | 7,(100 %), Method: ASTM E 70 |
| Odour Threshold | : | no data available |
| Melting point/freezing point | : | no data available |
| Initial boiling point and boiling range | : | no data available |
| Evaporation rate | : | no data available |
| Flammability (solid, gas) | : | no data available |
| Upper explosion limit | : | no data available |
| Lower explosion limit | : | no data available |
| Vapour pressure | : | similar to water |
| Relative vapour density | : | no data available |
| Relative density | : | 1, (25 °C), ASTM D-1298 |
| Density | : | 8.3 lb/gal |

| | | |
|---|---|---|
| Water solubility | : | completely soluble |
| Solubility in other solvents | : | no data available |
| Partition coefficient: n-octanol/water | : | no data available |
| Auto-ignition temperature | : | no data available |
| Thermal decomposition | : | no data available |
| Viscosity, dynamic | : | no data available |
| Viscosity, kinematic | : | no data available |
| Molecular weight | : | no data available |
| VOC | : | 0 %, Calculation method |

## Section: 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reactions | : | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | : | None known. |
| Incompatible materials | : | None known |
| Hazardous decomposition products | : | In case of fire, hazardous decomposition products may be produced such as:<br>Carbon oxides<br>nitrogen oxides (NOx)<br>Sulphur oxides<br>Oxides of phosphorus |

## Section: 11. TOXICOLOGICAL INFORMATION

| | | |
|---|---|---|
| Information on likely routes of exposure | : | Inhalation, Eye contact, Skin contact |

**Potential Health Effects**

| | | |
|---|---|---|
| Eyes | : | Health injuries are not known or expected under normal use. |
| Skin | : | Health injuries are not known or expected under normal use. |
| Ingestion | : | Health injuries are not known or expected under normal use. |
| Inhalation | : | Health injuries are not known or expected under normal use. |
| Chronic Exposure | : | Health injuries are not known or expected under normal use. |

**Experience with human exposure**

| | | |
|---|---|---|
| Eye contact | : | No symptoms known or expected. |
| Skin contact | : | No symptoms known or expected. |
| Ingestion | : | No symptoms known or expected. |
| Inhalation | : | No symptoms known or expected. |

**Toxicity**

**Product**

| | | |
|---|---|---|
| Acute oral toxicity | : | no data available |
| Acute inhalation toxicity | : | no data available |
| Acute dermal toxicity | : | no data available |
| Skin corrosion/irritation | : | no data available |
| Serious eye damage/eye irritation | : | no data available |
| Respiratory or skin sensitization | : | no data available |
| Carcinogenicity | : | no data available |
| Reproductive effects | : | no data available |
| Germ cell mutagenicity | : | no data available |
| Teratogenicity | : | no data available |
| STOT - single exposure | : | no data available |
| STOT - repeated exposure | : | no data available |
| Aspiration toxicity | : | no data available |

## Section: 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Persistence and degradability**

Greater than 95% of this product consists of inorganic substances for which a biodegradation value is not applicable.

**Mobility**

The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.
If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;

Air : <5%

| | | |
|---|---|---|
| Water | : | 30 - 50% |
| Soil | : | 70 - 90% |

The portion in water is expected to be soluble or dispersible.

**Bioaccumulative potential**

This preparation or material is not expected to bioaccumulate.

**Other information**

no data available

## Section: 13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.

| | | |
|---|---|---|
| Disposal methods | : | Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. |
| Disposal considerations | : | Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. |

## Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (DOT)**

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

**Air transport (IATA)**

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

**Sea transport (IMDG/IMO)**

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

## Section: 15. REGULATORY INFORMATION

**TSCA list** : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This product does not contain a RQ substance, or this product contains a substance with a RQ, however the calculated RQ exceeds the reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop. 65**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**INTERNATIONAL CHEMICAL CONTROL LAWS** :

**United States TSCA Inventory**
This product has not been evaluated for TSCA and may contain substances not found on the TSCA 8(b) Inventory List. This product may be used under the TSCA 5(h)(3) Research Exemption if all requirements are met.

**EU. EINECS**
The substances in this preparation have been reviewed for compliance with the EINECS or ELINCS inventories.

**Australia. Industrial Chemical (Notification and Assessment) Act**
All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS). The product contains substance(s) that require volume tracking.

**Canadian Domestic Substances List (DSL)**
The substances in this preparation are listed on the Domestic Substances List (DSL), are exempt, or have been reported in accordance with the New Substances Notification Regulations.

**Japan. ENCS - Existing and New Chemical Substances Inventory**
This product and/or component(s) are exempt or excluded from the list of Existing and New Chemical Substances (ENCS) under the Law Regulating the Manufacture and Importation Of Chemical Substances.

**Korea. Korean Existing Chemicals Inventory (KECI)**
All substances in this product comply with the Chemical Control Act (CCA) and are listed on the Existing Chemicals List (ECL)

**Philippines Inventory of Chemicals and Chemical Substances (PICCS)**
This product contains substance(s) which are not in compliance with the Republic Act 6969 (RA 6969) and may require additional review.

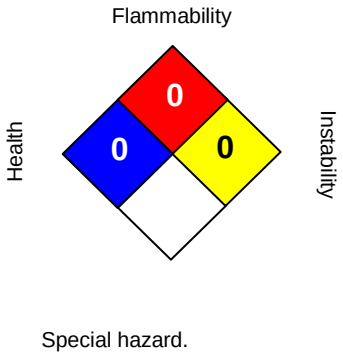
**China Inventory of Existing Chemical Substances**
All substances in this product comply with the Provisions on the Environmental Administration of New Chemical Substances and are listed on or exempt from the Inventory of Existing Chemical Substances China (IECSC).

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand**
All substances in this product comply with the Hazardous Substances and New Organisms (HSNO) Act 1996,and are listed on or are exempt from the New Zealand Inventory of Chemicals.

**Taiwan Chemical Substance Inventory**
All substances in this product comply with the Taiwan Existing Chemical Substances Inventory (ECSI).

## Section: 16. OTHER INFORMATION

**NFPA:**




**HMIS III:**

| | |
|---|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

| | | |
|---|---|---|
| Revision Date | : | 05/17/2019 |
| Version Number | : | 1.1 |
| Prepared By | : | Regulatory Affairs |

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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