



## SAFETY DATA SHEET

ESTEEM SANI-NC

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ESTEEM SANI-NC

Other means of identification : Not applicable

Recommended use : Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : No dilution information provided.

Company : Kay Chemical Company  
8300 Capital Drive  
Greensboro, North Carolina USA 27409  
1-800-529-5458

Emergency telephone : 1-877-231-2615 (USA/Canada), 952-853-1713 (outside USA)

Issuing date : 06/04/2015

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2B

#### GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Harmful if swallowed.  
Causes skin and eye irritation.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse mouth. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Pure substance/mixture : Mixture

| Chemical Name       | CAS-No.   | Concentration (%) |
|---------------------|-----------|-------------------|
| sodium hypochlorite | 7681-52-9 | 5.25              |
| sodium hydroxide    | 1310-73-2 | 0.1 - 1           |

### SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Wash off with plenty of water. Use a mild soap if available. Get medical attention if irritation develops and persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

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. FIRE-FIGHTING 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 fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides  
Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with non-

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containment and cleaning up : combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas.

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : -10 °C to 40 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Ingredients         | CAS-No.   | Form of exposure | Permissible concentration         | Basis     |
|---------------------|-----------|------------------|-----------------------------------|-----------|
| sodium hypochlorite | 7681-52-9 | STEL             | 2 mg/m <sup>3</sup>               | AIHA WEEL |
| chlorine            | 7782-50-5 | TWA              | 0.5 ppm                           | ACGIH     |
|                     |           | STEL             | 1 ppm                             | ACGIH     |
|                     |           | Ceiling          | 0.5 ppm<br>1.45 mg/m <sup>3</sup> | NIOSH REL |
|                     |           | C                | 1 ppm<br>3 mg/m <sup>3</sup>      | OSHA Z1   |

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : light yellow  
Odor : Chlorine  
pH : 12.4 - 13.2, 100 %  
Flash point : Not applicable, Does not sustain combustion.

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|   |                     |
|---|---------------------|
| Odor Threshold                          | : No data available |
| Melting point/freezing point            | : No data available |
| Initial boiling point and boiling range | : > 100 °C          |
| Evaporation rate                        | : No data available |
| Flammability (solid, gas)               | : No data available |
| Upper explosion limit                   | : No data available |
| Lower explosion limit                   | : No data available |
| Vapor pressure                          | : No data available |
| Relative vapor density                  | : No data available |
| Relative density                        | : 1.092             |
| Water solubility                        | : soluble           |
| Solubility in other solvents            | : No data available |
| Partition coefficient: n-octanol/water  | : No data available |
| Autoignition temperature                | : No data available |
| Thermal decomposition                   | : No data available |
| Viscosity, kinematic                    | : No data available |
| Explosive properties                    | : No data available |
| Oxidizing properties                    | : No data available |
| Molecular weight                        | : No data available |
| VOC                                     | : No data available |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : Mixing this product with acid or ammonia releases chlorine gas.  |
| Conditions to avoid                | : None known.  |
| Incompatible materials             | : Acids<br>Metals  |
| Hazardous decomposition products   | : Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Sulfur oxides<br>Oxides of phosphorus |

### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Potential Health Effects

Eyes : Causes eye irritation.

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- Skin : Causes skin irritation.
- Ingestion : Harmful if swallowed.
- 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 : Redness, Irritation
- Skin contact : Redness, Irritation
- Ingestion : No information available.
- Inhalation : No symptoms known or expected.

#### Toxicity

- Acute oral toxicity : No data available
- Acute inhalation toxicity : No data available
- Acute dermal toxicity : No data available
- Skin corrosion/irritation : Skin irritation
- Serious eye damage/eye irritation : Mild eye irritation
- 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

#### Ingredients

- Acute oral toxicity : sodium hypochlorite  
LD50 Rat: 5,230 mg/kg

#### Ingredients

- Acute inhalation toxicity : sodium hypochlorite  
4 h LC50 Rat: > 5.25 mg/l

#### Ingredients

- Acute dermal toxicity : sodium hypochlorite  
LD50 Rabbit: > 10,000 mg/kg

### SECTION 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Environmental Effects : Very toxic to aquatic life.

### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

### Ingredients

Toxicity to daphnia and other aquatic invertebrates : sodium hypochlorite  
48 h EC50: 0.071 mg/l

sodium hydroxide  
48 h EC50: 40 mg/l

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. 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. Dispose of in accordance with local, state, and federal regulations.

## 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)

UN number : 1791

Description of the goods : Hypochlorite solutions  
( )

Class : 8

Packing group : III

Environmentally hazardous : yes

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### Sea transport (IMDG/IMO)

UN number : 1791  
Description of the goods : HYPOCHLORITE SOLUTION  
Class : 8  
Packing group : III  
Marine pollutant : yes

## SECTION 15. REGULATORY INFORMATION

EPA Registration number : 1677-144

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

| Ingredients         | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------|-----------|--------------------|-----------------------------|
| sodium hypochlorite | 7681-52-9 | 100                | 1818                        |

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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 the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

#### United States TSCA Inventory :

On TSCA Inventory

#### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL.

#### Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

#### New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

#### Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

#### Japan. ISHL - Inventory of Chemical Substances (METI) :

On the inventory, or in compliance with the inventory

#### Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

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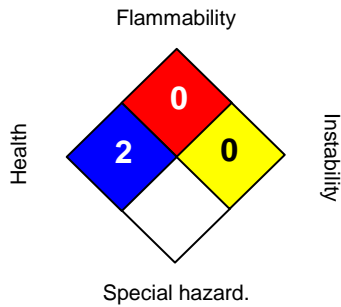
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**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
On the inventory, or in compliance with the inventory

**China. Inventory of Existing Chemical Substances in China (IECSC) :**  
On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>2</b> |
| <b>FLAMMABILITY</b>    | <b>0</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

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

Issuing date : 06/04/2015  
Version : 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.

The information provided in this Material 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.