



## SAFETY DATA SHEET "CleanSmart™ Nursery and High Chair Cleaner"

Date: 24<sup>th</sup> October 2014  
Revision No.: 3

### 1. Chemical Product and Company Identification

**PRODUCT NAME:** CleanSmart™ Nursery and High Chair Cleaner (EPA # 8989-2)

**MANUFACTURER**

Simple Science LLC  
530 North 3<sup>rd</sup> Street, Suite 310  
Minneapolis, MN 55401  
USA

Emergency Telephone Number  
1-(612)-367-4540

**COMMENTS:** This Material Safety Data Sheet is provided as general information for health and safety guidance. To the best of our knowledge the above product does not meet the definition of "Hazardous Chemical" as defined in the OSHA "Hazard Communication Standard" regulations. To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

### 2. Composition/ Active Ingredients Information

| Ingredient         | Concentration % | CAS#      | EINECS#   |
|--------------------|-----------------|-----------|-----------|
| Water.             | >99 %           | 7732-18-5 | 7732-18-6 |
| Hypochlorous acid. | 0.017%          | 7790-92-3 | 232-232-5 |

**COMMENTS:** Product composition ranges shown are typical values for health, safety and environmental use and are not intended as specifications.

### 3. Hazards Identification

**Immediate Concerns:** No hazard expected under normal conditions of use

**Physical Appearance:** Clear, colourless liquid with slight chlorine odour

**EMERGENCY OVERVIEW:** Hazardous gas may evolved on contact with acid

**Potential Health Effects**

**Eye:** No Hazards expected under normal conditions at room temperature.

**Skin:** No Hazards expected under normal use.

**Ingestion:** No Hazards expected under normal use.

**Inhalation:** No Hazards expected under normal conditions at room temperature. Vapors and/or aerosols which may be formed at abnormally elevated temperatures may be irritating to eyes and respiratory tract.

**Carcinogenicity Information:** No Known cancer Hazards.

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#### 4. First Aid Measures

**Eyes:** Although this product is not known to cause eye irritation, if eyes become irritated, hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

**Skin:** Although this product is not known to cause skin irritation, if skin becomes irritated, immediately wash skin with plenty of soap and water while removing contaminated clothing and footwear. Seek medical advice if irritation develops or persists.

**Inhalation:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove from further exposure and provide oxygen. Seek medical advice if cough or other symptoms develop.

**Ingestion:** Although this product is not known to cause injection problems, if injected, drink plenty of tap water. Seek medical advice if gastric distress develops.

**Notes to Physician:** Treat symptomatically and supportively.

#### 5. Fire Fighting Measures

**General Information:** Substance is non-combustible. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Contact with metals may evolve flammable hydrogen gas.

**Extinguishing Media:** Use water spray to cool fire-exposed containers. Substance is non-combustible; use agent most appropriate to extinguish surrounding fire.

|                                  |                 |
|----------------------------------|-----------------|
| <b>Flash Point:</b>              | Not applicable. |
| <b>Autoignition Temperature:</b> | Not applicable. |
| <b>Explosion Limits, Lower:</b>  | Not available.  |
| <b>Upper:</b>                    | Not available.  |

#### 6. Accidental Release Measures

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately. Avoid contact with acid.

#### 7. Handling and Storage

**Handling:** No special precautions necessary or use with adequate ventilation.

**Recommended Storage Temperature:** Store at room temperature 20-25deg C.

**Storage:** Store away from direct sunlight and heat. Do not allow to freeze.

#### 8. Exposure Controls, Personal Protection

**Exposure:** No special precautions necessary or use with adequate ventilation.

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## 9. Physical and Chemical Properties

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>Physical State:</b>            | Liquid                  |
| <b>Appearance:</b>                | clear                   |
| <b>Odor:</b>                      | Slight chlorine odour   |
| <b>pH:</b>                        | 7.0 ± 0.5               |
| <b>Vapor Pressure:</b>            | Not available.          |
| <b>Vapor Density:</b>             | Not available.          |
| <b>Evaporation Rate:</b>          | Not available.          |
| <b>Viscosity:</b>                 | Not available.          |
| <b>Boiling Point:</b>             | 100 °C                  |
| <b>Freezing/Melting Point:</b>    | 0 °C                    |
| <b>Decomposition Temperature:</b> | Not available.          |
| <b>Solubility:</b>                | Fully Soluble in Water. |
| <b>Specific Gravity/Density:</b>  | 1.00                    |

## 10. Stability and Reactivity

**Chemical Stability:** Stable under normal ambient conditions of temperature and pressure.

**Conditions to avoid:** High temperatures, incompatible materials

**Incompatibilities with other materials:** Strong oxidizing agents, strong acids.

**Hazardous Decomposition Products:** Chlorine, Hydrochloric Acid

**Hazardous Polymerisation:** Will not occur.

## 11. Toxicity Information

|                                  |               |
|----------------------------------|---------------|
| <b>Dermal LD50:</b>              | Not available |
| <b>Oral LD50 (rat):</b>          | >5000 mg/kg   |
| <b>Inhalation LC50:</b>          | Not Available |
| <b>Eye effects (rabbit):</b>     | Negative.     |
| <b>Skin Effects (rabbit):</b>    | Negative.     |
| <b>Sensitization (rabbit):</b>   | Negative      |
| <b>Mutagenicity (Ames test):</b> | Negative      |
| <b>Reproductive Effects:</b>     | Not Available |
| <b>Teratogenic Effects:</b>      | Not Available |

## 12. Ecological Information

**Environmental Fate:** No Information found

**Environmental Toxicity:** May be toxic to aquatic life in very large quantities

## 13. Disposal Considerations

Dilute with water and flush to sewer if local ordinances allow, otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements..

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## 14. Transport Information

**Not classified as hazardous for transportation per ASTM G31.42 testing.**

PRODUCT LABEL: CleanSmart™ Nursery and High Chair Cleaner

D.O.T. SHIPPING NAME: water

TECHNICAL SHIPPING NAME: Oxidized Water

D.O.T. HAZARD CLASS: None

UN NUMBER: None

D.O.T. LABEL: None

D.O.T. PLACARD: None

BULK CLASS: N/A

## 15. Regulatory Information

### US FEDERAL

**United States: 89896-2.**

**Canada: Not available.**

**European Community EEC Label and Symbol Classification: R31**

This Safety Data Sheet does not constitute a workplace risk assessment. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product terms of safety requirements and does not signify any warranty with regard to the product's properties.

## 16. Other Information

**Manufacturer Disclaimer:** Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.