



# SAFETY DATA SHEET

Issuing date 12-Oct-2011

Revision Date 26-Jan-2015

Version 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** Swisher Plasticlean

### Other means of identification

**Product Code** 41747

**Document** 41747

### Recommended use of the chemical and restrictions on use

**Recommended use** Oxygen Destainer

### Details of the supplier of the safety data sheet

#### **Distributor**

Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210

#### **Emergency telephone number**

**24 Hour Emergency Phone Number** CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

**Company Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |             |
|--|-------------|
| Acute Toxicity - Oral                            | Category 4  |
| Skin corrosion/irritation                        | Category 2  |
| Serious eye damage/eye irritation                | Category 1  |
| Reproductive toxicity                            | Category 1A |
| Specific target organ toxicity (single exposure) | Category 3  |

### Label elements

#### Emergency Overview

#### **Danger**

#### **Hazard Statements**

Harmful if swallowed  
Causes skin irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
Causes serious eye damage  
May damage the unborn child. Suspected of damaging fertility



**Appearance** Opaque Powder **Physical state** Powder **Odor** Odorless

#### Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area

#### Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

#### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

#### Other information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name       | CAS-No    | Weight-%   | Trade Secret |
|---------------------|-----------|------------|--------------|
| Sodium Peroxoborate | 7632-04-4 | 25% - 50%  | *            |
| Sodium metasilicate | 6834-92-0 | 2.5% - 10% | *            |
| Sodium carbonate    | 497-19-8  | 25% - 50%  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

|                                   |   |
|-----------------------------------|---|
| <b>General advice</b>             | Show this safety data sheet to the doctor in attendance.  |
| <b>Eye contact</b>                | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.   |
| <b>Skin contact</b>               | Wash with soap & water for 15 minutes. See physician if burning persists.   |
| <b>Inhalation</b>                 | Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.   |
| <b>Ingestion</b>                  | Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.   |
| <b>Protection of First-aiders</b> | Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

**Most important symptoms/effects, acute and delayed**

|                      |   |
|----------------------|---|
| <b>Main Symptoms</b> | The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11. |
|----------------------|---|

**Indication of immediate medical attention and special treatment needed, if necessary**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

|                                  |
|----------------------------------|
| <b>5. FIRE-FIGHTING MEASURES</b> |
|----------------------------------|

**Suitable Extinguishing Media**

Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

Use water spray to cool adjacent fire exposed containers.

|                                      |   |
|--------------------------------------|---|
| <b>Hazardous Combustion Products</b> | Chlorine-containing gases can be produced. Traces of phosgene can be liberated at >400°F. |
|--------------------------------------|---|

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

This product contains alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead.

|                                       |
|---------------------------------------|
| <b>6. ACCIDENTAL RELEASE MEASURES</b> |
|---------------------------------------|

**Personal precautions, protective equipment and emergency procedures**

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Avoid contact with the skin and the eyes. Ensure adequate ventilation. Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray. |
|-----------------------------|--|

**Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|---|

**Methods and materials for containment and cleaning up**

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

**Methods for cleaning up** Sweep up to suitable containers for disposal. .

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** KEEP OUT OF REACH OF CHILDREN. WARNING.. Do not get in eyes, on skin or on clothing. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

**Incompatible products** Strong acids, Ammonia. Combustible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name                    | ACGIH TLV | OSHA PEL           | NIOSH IDLH |
|----------------------------------|-----------|--------------------|------------|
| Sodium metasilicate<br>6834-92-0 | -         | 2mg/m <sup>3</sup> | -          |

NIOSH IDLH: *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation and that running water is available for washing eyes and skin

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Splash-proof chemical goggles or face shield.

**Skin and body protection** Impervious rubber, alkali-proof protective gloves. Impervious rubber boots & apron..

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved 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.

**Hygiene measures** Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

|                       |               |                       |                          |
|-----------------------|---------------|-----------------------|--------------------------|
| <b>Physical state</b> | Powder        | <b>Odor</b>           | Odorless                 |
| <b>Appearance</b>     | Opaque Powder | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | White         |                       |                          |

| <u>Property</u>                    | <u>Values</u>            | <u>Remarks • Methods</u> |
|------------------------------------|--------------------------|--------------------------|
| <b>pH</b>                          | 11.0 -11.5               |                          |
| <b>Melting/freezing point</b>      | No information available |                          |
| <b>Boiling point/boiling range</b> | NA                       |                          |

|  |  |
|--|--|
| Flash Point                            | No information available                             |
| Evaporation rate                       | NA   |
| Flammability (solid, gas)              | No information available                             |
| Flammability Limits in Air             |  |
| Upper flammability limit               | No information available                             |
| Lower flammability limit               | No information available                             |
| Vapor pressure                         | NA   |
| Vapor density                          | NA   |
| Specific Gravity                       | NA   |
| Water solubility                       | Appreciable  |
| Solubility in other solvents           | No information available                             |
| Partition coefficient: n-octanol/water | No information available                             |
| Autoignition temperature               | No information available                             |
| Decomposition temperature              | No information available                             |
| Viscosity, kinematic                   | No information available                             |
| Viscosity, dynamic                     | No information available                             |
| Explosive properties                   | Not explosive  |
| Oxidizing Properties                   | Oxidizer. Contact with other material may cause fire |

**Other information**

|                    |                          |
|--------------------|--------------------------|
| Softening point    | No information available |
| Molecular Weight   | No information available |
| VOC Content(%)     | No information available |
| Density VALUE      | No information available |
| Bulk Density VALUE | No information available |

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable.

**Possibility of hazardous reactions**

Corrosive action on metals. Reacts with flammable substances. Exothermic reaction with acids.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong acids, Ammonia. Combustible materials.

**Hazardous Decomposition Products**

Chlorine-containing gases can be produced. contaminated clothing before reuse. Traces of phosgene can be liberated at &gt;400 F.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Harmful if swallowed Causes serious eye irritation Causes skin irritation May damage fertility or the unborn child May cause respiratory irritation May cause drowsiness or dizziness |
| <b>Inhalation</b>          | Inhalation of dust in high concentration may cause irritation of respiratory system.  |
| <b>Eye contact</b>         | Causes serious eye irritation.  |
| <b>Skin contact</b>        | Causes skin irritation.   |
| <b>Ingestion</b>           | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed.   |

| Chemical Name                    | Oral LD50            | Dermal LD50 | LC50 Inhalation                      |
|----------------------------------|----------------------|-------------|--------------------------------------|
| Sodium metasilicate<br>6834-92-0 | = 600 mg/kg ( Rat )  | -           | -                                    |
| Sodium carbonate                 | = 4090 mg/kg ( Rat ) | -           | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |

|          |  |  |  |
|----------|--|--|--|
| 497-19-8 |  |  |  |
|----------|--|--|--|

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** Contains no ingredient listed as a carcinogen.  
**Reproductive toxicity** May damage fertility or the unborn child.  
**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity**

| Chemical Name                    | Algae/aquatic plants           | Fish  | Crustacea                            |
|----------------------------------|--------------------------------|---|--------------------------------------|
| Sodium metasilicate<br>6834-92-0 | -                              | 210: 96 h Brachydanio rerio mg/L<br>LC50 semi-static 210: 96 h<br>Brachydanio rerio mg/L LC50                 | 216: 96 h Daphnia magna mg/L<br>EC50 |
| Sodium carbonate<br>497-19-8     | 242: 120 h Nitzschia mg/L EC50 | 300: 96 h Lepomis macrochirus<br>mg/L LC50 static 310 - 1220: 96 h<br>Pimephales promelas mg/L LC50<br>static | 265: 48 h Daphnia magna mg/L<br>EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment**

**Waste Disposal Methods** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Sodium carbonate<br>497-19-8 | Corrosive                         |

**14. TRANSPORT INFORMATION**

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>DOT</b>                  | Not regulated                    |
| <b>Proper shipping name</b> | Cleaning Compound, Not Regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |

### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the 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 Commercial Chemical Substances/EU 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

### U.S. 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

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | no  |
| <b>Sudden Release of Pressure Hazard</b> | no  |
| <b>Reactive Hazard</b>                   | no  |

#### Clean Water Act

This product 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.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know RegulationsU.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|             |                  |                |                    |                                 |
|-------------|------------------|----------------|--------------------|---------------------------------|
| <u>NFPA</u> | Health Hazards 2 | Flammability 0 | Instability 0      | Physical and chemical hazards - |
| <u>HMIS</u> | Health hazard 2* | Flammability 0 | Physical Hazards 0 | Personal protection X           |

Prepared By Swisher Hygiene Inc.  
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Issuing date 12-Oct-2011  
Revision Date 26-Jan-2015

Revision Note

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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**