



# SAFETY DATA SHEET

Issuing date 20-Sep-2011

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Version 1

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

### Product identifier

Product name Swisher Champion

### Other means of identification

Product Code 40023

UN/ID No UN3262

Document 40023

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

Recommended use Premium Machine Warewash Detergent

### 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 - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard Statements**

Harmful if inhaled  
Causes severe skin burns and eye damage

**Appearance** Opaque**Physical state** Powder**Odor** Characteristic**Precautionary Statements - Prevention**

- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

- May be harmful if swallowed
- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

### 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 carbonate	497-19-8	20% - 40%	*
Sodium hydroxide	1310-73-2	20% - 40%	*
Pentasodium triphosphate	7758-29-4	10% - 20%	*
Sodium metasilicate	6834-92-0	5% - 15%	*
Sodium dichloroisocyanurate dihydrate	51580-86-0	0.5% -3%	*

\*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. Immediately call a POISON CENTER or doctor/physician.
<b>Eye contact</b>	Flush with flowing water for 15 minutes & see physician.
<b>Skin contact</b>	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before re-use.
<b>Inhalation</b>	If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.
<b>Ingestion</b>	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get 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.
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**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician</b>	Probable mucosal damage may contraindicate the use of gastric lavage.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical, carbon dioxide, if product is involved. .

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

**Specific hazards arising from the chemical**

Hydrogen gas by reactions with metals.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Avoid dust formation. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Other information</b>	Common Weak Acids suitable for neutralizing caustic alkalis: acetic acid, citric acid, lemon juice, tartaric acid, vinegar.

**Environmental precautions**

**Environmental precautions** Neutralization is normally necessary before waste water is discharged into water treatment plants. See Section 12 for additional Ecological Information.

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

**Methods for Containment** Dike to contain spill and prevent entry into sewers, waterways, and low areas. Neutralize with dilute acid. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up. Transfer to appropriate waste container. Neutralize residue with mild acid and flush with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Do not smoke while using or until sprayed surface is thoroughly dry. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**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 oxidizing agents, acids, Ammonia, Soft Metals .

## 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 hydroxide 1310-73-2	-	TWA: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Pentasodium triphosphate 7758-29-4	-	15mg/m <sup>3</sup>	-
Sodium metasilicate 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** Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

Physical state	Powder	Odor	Characteristic
Appearance	Opaque	Odor Threshold	No information available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	14	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
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	No information available	
Oxidizing Properties	No information available	

**Other information**

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	None
Density VALUE	No information available
Bulk Density VALUE	No information available

**10. STABILITY AND REACTIVITY****Chemical stability**

Stable. Store in cool dry place.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong oxidizing agents, acids, Ammonia, Soft Metals .

**Hazardous Decomposition Products**

Hydrogen gas in contact with some metals.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Product Information	Product is harmful by inhalation Causes severe skin burns and eye damage
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<b>Inhalation</b>	Corrosive to respiratory system.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin contact</b>	Causes burns.
<b>Ingestion</b>	Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Sodium hydroxide 1310-73-2	140 mg/kg (Rat)	= 1350 mg/kg ( Rabbit )	-
Pentasodium triphosphate 7758-29-4	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** No information available.

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

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No information available. Avoid repeated exposure.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	3405 mg/kg
<b>ATEmix (dermal)</b>	4011 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	3.2 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

15.67% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-
Pentasodium triphosphate 7758-29-4	-	1650: 48 h Leuciscus idus mg/L LC50	-
Sodium metasilicate 6834-92-0	-	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	216: 96 h Daphnia 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****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 497-19-8	Corrosive
Sodium hydroxide 1310-73-2	Toxic Corrosive

**14. TRANSPORT INFORMATION****DOT**

UN/ID No	Regulated UN3262
Proper shipping name	Corrosive Solid, Basic, Inorganic, n.o.s. (Sodium Hydroxide)
Hazard class	8
Packing Group	II
Emergency Response Guide Number	154

**15. REGULATORY INFORMATION****International Inventories**

TSCA	Complies
DSL/NDL	-
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECL	-
PICCS	Complies
AICS	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

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	Yes

### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb	-	-	X

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

This product contains substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X
Pentasodium triphosphate 7758-29-4	-	-	X
Sodium dichloroisocyanurate dihydrate 51580-86-0	-	X	X

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 3	Flammability 0	Instability 1	Physical and chemical hazards COR
<u>HMIS</u>	Health hazard 3	Flammability 0	Physical Hazards 1	Personal protection X



**Prepared By** Swisher Hygiene Inc.  
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Charlotte, NC 28210

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**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**