



# Material Safety Data Sheet

Issuing date 28-Dec-2011

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Ultra HE Oxy-Det  
**Swisher number** 42155-1  
**Reference number**  
**Distributor number**  
**UN/ID No** UN2984  
**Recommended use** Laundry Detergent Bleach Combination

### **Distributor**

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

**Chemical Emergency Phone Number** 800-424-9300 (Chemtrec)

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

## 2. HAZARDS IDENTIFICATION

### **Emergency Overview**

This product contains substances which at their given concentration, are considered to be hazardous to health.

**Appearance** Liquid..

**Physical state** liquid.

**Odor** Odorless

### **Potential Health Effects**

#### **Acute toxicity**

**Eyes**

Causes burns

**Skin**

Brief exposure will irritate the skin. Prolonged exposure causes irritation, blisters, and burns.

**Inhalation**

Severe respiratory irritant.

**Ingestion**

May cause burns of the mouth, throat, esophagus, and stomach.

#### **Chronic Effects**

Eyes: Corrosion

Inhalation: Irritation of the upper respiratory tract.

#### **Aggravated Medical Conditions**

None known.

#### **Environmental hazard**

See Section 12 for additional Ecological Information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Name	CAS-No	Weight %
Hydrogen Peroxide	7722-84-1	< 20%
Nonionic Surfactant	9016-45-9	< 25%

#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.
<b>Skin contact</b>	Immediately flush with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician immediately.
<b>Inhalation</b>	Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If conscious give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Seek medical attention.
<b>Notes to physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable			
Flash point	Flash point >200 °F			
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam			
Explosion Data				
Sensitivity to Mechanical Impact	none			
Sensitivity to Static Discharge	none			
Specific hazards arising from the chemical	Oxidizing agent. Contact with flammable liquids or vapors may cause immediate fire or explosion, especially if heated, or it may result in delayed explosion. Decomposition will release oxygen, which will increase the explosive limits and burning rate of flammable vapors.			
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus with a full facepiece and protective clothing. Use water spray to cool nearby containers and structures exposed to fire.			
NFPA	Health Hazard 0	Flammability 0	Stability 0	Physical and chemical hazards -
HMIS	Health Hazard 2	Flammability 0	Physical Hazard 1	Personal protection -

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation
<b>Environmental precautions</b>	Try to prevent the material from entering drains or water courses
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so

**Methods for cleaning up** Extinguish all ignition sources and contain by diking with a non-combustible absorbent. Flush spill area with water and allow peroxide to decompose. Dispose according to local, state, and federal regulations. Contains no phosphates.

## 7. HANDLING AND STORAGE

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice

**Technical measures/Storage conditions** Store in a cool dry place.  
Never add any other product to container.  
Never return unused product to container.  
Do not use pressure to empty container.  
Store away from other chemicals and potential sources of contamination Keep container tightly closed

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment Institutional Environment

**Eye/Face Protection** Safety glasses are suggested when using this product in heavy use and institutional environments.  
**Consumer Environments** Care should be taken to avoid Eye contact.  
**Skin and body protection** Rubber gloves  
**Respiratory protection** Unnecessary in open institutional environment.  
**Hygiene measures** Practice good personal hygiene. Wash after handling.

### Personal Protective Equipment Industrial Environment

**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** Practice good personal hygiene. Wash after handling. Shower at end of work period  
Practice good personal hygiene. Wash after handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Liquid.	<b>Odor Threshold</b>	No information available
<b>Color</b>	colorless		

Property	Values	Remarks Methods
pH	4.75	No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range		No information available

Flash Point	>200 °F	No information available
Evaporation rate	> 1	No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Explosion Limits		
upper		
lower		
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	8.78	No information available
Water solubility	completely soluble	No information available
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		
Explosive properties	No information available	
Oxidizing Properties	No information available	
<b>9.2 Other information</b>		
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

Stability	Stable
Incompatible products	Reducing agents, combustible materials, organic materials, metals, cyanides, acids
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	Releases oxygen gas, which in a confined space will increase explosive limits.
Hazardous Polymerization	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen Peroxide	801 mg/kg ( Rat )	2000 mg/kg ( Rabbit ) 4060 mg/kg ( Rat )	2 mg/L ( Rat ) 4 h

### Chronic toxicity

Chronic toxicity	Eyes: Corrosion Inhalation: Irritation of the upper respiratory tract.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide	A3	Group 3		

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Hydrogen Peroxide	2.5: 72 h <i>Chlorella vulgaris</i> mg/L EC50	10.0 - 32.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 18 - 56: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 16.4: 96 h <i>Pimephales promelas</i> mg/L LC50		18 - 32: 48 h <i>Daphnia magna</i> mg/L EC50 Static 7.7: 24 h <i>Daphnia magna</i> mg/L EC50

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

### Contaminated packaging

Do not re-use empty containers

Chemical Name	California Hazardous Waste Status
Hydrogen Peroxide	Toxic Corrosive Ignitable Reactive

## 14. TRANSPORT INFORMATION

**Note** UN2984, Hydrogen Peroxide, Aqueous Solution, 5.1, PG III

**Dot** Regulated  
**Proper shipping name** UN2984, Hydrogen Peroxide, Aqueous Solution, 5.1, PG III  
**Hazard class** 5.1  
**Subsidiary Class** Consumer Commodity, ORM-D  
**UN/ID No** UN2984  
**Packing Group** III

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**ICAO/IATA** Not regulated

**IMDG / IMO** Not regulated

**RID** Not regulated

**ADR/RID** Not regulated

**ADN** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

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

**TSCA** - 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>	no
<b>Chronic Health Hazard</b>	no
<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.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen Peroxide		1000 lb	

### U.S. State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits
Hydrogen Peroxide	A3	Mexico: TWA 1 ppm Mexico: TWA 1.5 mg/m <sup>3</sup> Mexico: STEL 2 ppm Mexico: STEL 3 mg/m <sup>3</sup>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

**Prepared By** Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210  
**Issuing date** 28-Dec-2011  
**Revision Date** 28-Aug-2012  
**Revision Note** No information available  
**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Material Safety Data Sheet