



Material Safety Data Sheet

Issuing date 28-Sep-2011

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Chlor-Right
Product code 40143-5
Reference number(s) 40143-15/ 40143-55
UN/ID No UN1791
Recommended Use Liquid Laundry Bleach & Destainer

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 Contains Hypochlorite Solutions

Appearance Clear Thin Liquid **Physical state** liquid. **Odor** Chlorine Bleach

Potential Health Effects

Acute toxicity

Eyes Severely irritating to eyes
Skin Irritating to skin
Inhalation Causes irritation
Ingestion Extremely Corrosive

Chronic Effects No known effect based on information supplied

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 %
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Sodium hypochlorite	7681-52-9	<15
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4. FIRST AID MEASURES

Eye contact	Flush with flowing water for 15 minutes & see physician.
Skin contact	Wash with soap & water for 15 minutes. See physician if irritation persists.
Inhalation	Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.
Ingestion	Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY; NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable			
Flash point	none			
Suitable Extinguishing Media	Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.			
Hazardous Combustion Products	HOCL, Chlorine, HCL, NACL, Sodium Chlorate, Oxygen			
Explosion Data				
Sensitivity to Mechanical Impact	none			
Sensitivity to Static Discharge	none			
Specific hazards arising from the chemical	Containers of this material can explode as oxygen is liberated under high heat or fire conditions.			
Protective Equipment and Precautions for Firefighters	Avoid exposure to fumes or vapors.			
NFPA	Health Hazard 0	Flammability 0	Stability 0	Physical and chemical hazards - Personal protection C
HMIS	Health Hazard 2	Flammability 0	Physical Hazard 1	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation
Environmental precautions	Try to prevent the material from entering drains or water courses
Methods for Containment	Neutralize with dilute sodium bisulfite.
Methods for cleaning up	Mop up & flush neutralized material to sewer with plenty of water.

7. HANDLING AND STORAGE

Advice on safe handling	KEEP OUT OF REACH OF CHILDREN DANGER
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Technical measures/Storage conditions Store upright in original container. Avoid all contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines

Other Exposure Guidelines Local exhaust. Avoid breathing vapor or spray.

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Splash proof chemical goggles, and full faceshield when diluting product with water.

Skin and body protection Impervious rubber, gloves and apron.

Respiratory protection NIOSH approved respirator for severe vapor or mist.

Hygiene measures Practice good personal hygiene. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid		
Appearance	Clear Thin Liquid	Odor	Chlorine Bleach
Color	colorless	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Methods</u>
pH	13	No information available	
Melting/freezing point		No information available	
Freezing Point		No information available	
Boiling point/boiling range	220 °F	No information available	
Flash Point		No information available	
Evaporation rate	1.00	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	50	No information available	
Vapor density	NA	No information available	
Specific Gravity	1.20	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		

9.2 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

Stability	Stable
Incompatible products	Heavy metals, Ammonia.
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	HOCL, Chlorine, HCL, NACL, Sodium Chlorate, Oxygen.
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.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite	8200 mg/kg (Rat)	10000 mg/kg (Rabbit)	

Chronic toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite		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
Sodium hypochlorite	0.095: 24 h Skeletonema costatum mg/L EC50	0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static		0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static 2.1: 96 h Daphnia magna 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

14. TRANSPORT INFORMATION

Note	> 1 Gal: Hypochlorite solutions, 8, UN1791, III < 1 Gal: Hypochlorite solutions, Ltd Qty, 8, UN1791, III
Dot	Regulated
Proper shipping name	> 1 Gal: Hypochlorite solutions, 8, UN1791, III <1 Gal: Hypochlorite solutions, Ltd Qty, 8, UN1791, III
Hazard class	8
UN/ID No	UN1791
Packing Group	III
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>IMDG / IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION:

Sodium Hypochlorite

For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	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).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite	100 lb			X

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
Sodium hypochlorite	100 lb		RQ 100 lb final RQ RQ 45.4 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

International Regulations

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

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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