

Material Safety Data Sheet

Revision Date 28-Nov-2011 Version 1 Issuing date 03-Nov-2011

1. PRODUCT AND COMPANY IDENTIFICATION

Swisher Select Block and Tile Whitener Product name

Product code 40360-1 40360-32OZ Reference number(s)

UN/ID No UN1791

Block and Tile Whitener **Recommended Use**

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

Potential Health Effects

Acute toxicity

Eyes Irritating to eyes Skin Irritating to skin

Inhalation No known effect based on information supplied

Ingestion Causes irritation

Chronic Effects No known effect based on information supplied

None known. **Aggravated Medical Conditions**

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 %

Sodium hypochlorite	7681-52-9	< 2.5

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

involved.

Hazardous Combustion Products HOCL, Chlorine, HCL, NACL, Sodium Chlorate, Oxygen

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge

none none

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear

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

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 Do not get in eyes, on skin or on clothing

Remove and wash contaminated clothing before re-use Do not contaminate water, food, or

feed

Technical measures/Storage

conditions

Avoid all contact. Store upright in original closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Showers **Engineering Measures**

> **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 enviroment.

Hygiene measures Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

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

Skin and body protection Impervious rubber, alkali-proof protecetive gloves Impervious rubber boots & apron. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved Respiratory protection

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

Physical state liquid

Appearance Clear Liquid Odor Chlorine Bleach

Color colorless **Odor Threshold** No information available

Property Values Remarks Methods 12.4 No information available Melting/freezing point No information available **Freezing Point** No information available

104 °C No information available Boiling point/boiling range

Flash Point No information available No information available **Evaporation rate** 1 No information available Flammability (solid, gas) Flammability Limits in Air No information available

upper flammability limit lower flammability limit

Explosion Limits

upper lower

50 No information available Vapor pressure

No information available Vapor density

Specific Gravity 1.04 No information available completely soluble No information available Water solubility Solubility in other solvents No information available

Partition coefficient: n-octanol/water No information available

Autoignition temperatureNo information availableDecomposition temperatureNo information availableViscosity, kinematicNo information available

Viscosity, dynamic

Explosive properties No information available Oxidizing Properties No information available

9.2 Other information

Softening pointNo information availableMolecular WeightNo information availableVOC Content(%)No information availableDensity VALUENo information availableBulk Density VALUENo 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

Chemica	I Name	ACGIH	IARC	NTP	OSHA
Sodium hy	pochlorite		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	Toxicity to daphnia and
			microorganisms	other aquatic invertebrates

Sodium hypochlorite	0.095: 24 h Skeletonema	0.03 - 0.19: 96 h	0.033 - 0.044: 48 h Daphnia
	costatum mg/L EC50	Oncorhynchus mykiss mg/L	magna mg/L EC50 Static
		LC50 semi-static 0.05 -	2.1: 96 h Daphnia magna
		0.771: 96 h Oncorhynchus	mg/L EC50
		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	

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 UN1791, Hypochlorite Solutions, 8, PG III, LTD QTY

Dot Regulated

Proper shipping name UN1791, Hypochlorite Solutions, 8, PG III, LTD QTY

Hazard class 8
UN/ID No UN1791
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

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	- '
ENCS	Complies
IFCSC	Complies

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			Χ

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

Issuing date 03-Nov-2011 Revision Date 28-Nov-2011

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
