



Material Safety Data Sheet

Issuing date 17-Oct-2011

Revision Date 28-Nov-2011

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Tub & Tile Kleen
Product code 41765-1
UN/ID No UN1805
Recommended Use Concentrated Grout & Tile Cleaner

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 Opaque Liquid

Physical state liquid.

Odor Sassafras

Potential Health Effects

Acute toxicity

Eyes

Corrosive. May cause redness, pain, blurred vision, eye burns, and permanent eye damage.

Skin

Corrosive. May cause redness, pain, and severe skin burns.

Inhalation

Inhalation is not an expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.

Ingestion

No known effect based on information supplied

Chronic Effects

No known effect based on information supplied

Aggravated Medical Conditions

Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

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 %
Phosphoric acid	7664-38-2	< 25

4. FIRST AID MEASURES

Eye contact	Flush eyes with cool water for 15-30 minutes and get immediate medical attention.
Skin contact	Flush with flowing 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. 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment
Hazardous Combustion Products	Explosive hydrogen gas may be liberated from contact with some metals.
Explosion Data	
Sensitivity to Mechanical Impact	none
Sensitivity to Static Discharge	none
Protective Equipment and Precautions for Firefighters	Vapors are irritating. Self contained breathing apparatus (SCBA) should be worn.
NFPA	Health Hazard 2 Flammability 0 Stability 0 Physical and chemical hazards -
HMIS	Health Hazard 2 Flammability 0 Physical Hazard 0 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 spill with soda ash, lime or caustic soda Then absorb on sand or other absorbent Transfer contaminated absorbent, soil and other materials to containers for disposal
Methods for cleaning up	Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills should be recovered for disposal.

7. HANDLING AND STORAGE

Advice on safe handling	KEEP OUT OF REACH OF CHILDREN Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers Keep container closed when not in use
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Technical measures/Storage conditions Store in a cool, dry area away from combustibles and reactive chemicals. Store away from sources of ignition. Do not store at temperatures above 120 ° F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³ test	TWA: 1 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

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 enviroment.
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

Physical state	liquid	Odor	Sassafras
Appearance	Opaque Liquid	Odor Threshold	No information available
Color	off-white		
Property	Values	Remarks	Methods
pH	1.0-3	No information available	
Melting/freezing point		No information available	
Freezing Point	32	Freezing point °F (°F) DEGREES	
No information available		Boiling point/boiling range	212 °F
No information available		Flash Point	
No information available		Evaporation rate	< 1.0
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	
Same as water		Vapor pressure	
Same as water		Vapor density	
No information available		Specific Gravity	1.175-0.02
No information available		Water solubility	completely soluble
		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	Mixture/Mélange/Mezcla
VOC Content(%)	No information available
Density VALUE	No information available
Bulk Density VALUE	No information available

10. STABILITY AND REACTIVITY

Stability	Stable
Incompatible products	Oxidizers; Do not mix with bleach.
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	None known based on information supplied
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
Phosphoric acid	1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m ³ (Rat) 1 h

Chronic toxicity

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
Phosphoric acid		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 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

Chemical Name	California Hazardous Waste Status
Phosphoric acid	Corrosive

14. TRANSPORT INFORMATION

Note

UN1805, Phosphoric Acid Solution, 8, PGIII, LTD QTY

Dot

Regulated

Proper shipping name

UN1805, Phosphoric Acid Solution, 8, PGIII, LTD QTY

Hazard class

8

UN/ID No

UN1805

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
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

This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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
Phosphoric acid	5000 lb			X

CERCLA

Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.
COMPONENT: Phosphoric Acid 5000 lbs

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosphoric acid	5000 lb		RQ 5000 lb final RQ RQ 2270 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

Chemical Name	Carcinogen Status	Exposure Limits
Phosphoric acid		Mexico: TWA 1 mg/m ³ Mexico: STEL 3 mg/m ³

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.

Chemical Name	NPRI
Phosphoric acid	X

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