



Material Safety Data Sheet

Issuing date 04-Oct-2011

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Orange RTU

Product code 40114-32OZ
Recommended Use Multi-surface 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

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear Thin Liquid **Physical state** liquid. **Odor** Citrus

Potential Health Effects

Acute toxicity

Eyes	Irritating to eyes
Skin	Irritating to skin
Inhalation	No known effect based on information supplied
Ingestion	No known effect based on information supplied

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 material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES

Eye contact Flush with flowing water for 15 minutes & see physician.

Skin contact	Wash with soap & water. See physician if irritation persists.
Inhalation	Move to fresh air
Ingestion	Give milk or water to dilute material. 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	Water spray or fog, foam, dry chemical, carbon dioxide if product is involved.			
Hazardous Combustion Products	If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.			
Explosion Data				
Sensitivity to Mechanical Impact	none			
Sensitivity to Static Discharge	none			
Specific hazards arising from the chemical	Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.			
Protective Equipment and Precautions for Firefighters	Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH approved or equivalent to maintain TLV.			
NFPA	Health Hazard 0	Flammability 0	Stability 0	Physical and chemical hazards -
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection A

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	Prevent further leakage or spillage if safe to do so
Methods for cleaning up	Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

7. HANDLING AND STORAGE

Advice on safe handling	KEEP OUT OF REACH OF CHILDREN CAUTION Do not get in eyes, on skin or on clothing
Technical measures/Storage conditions	Store upright in original closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	Review Section 3 & 4 for Exposure Guidelines.
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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	2 mg/m ³	2 mg/m ³	Ceiling: 2 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 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

Physical state	liquid	Odor	Citrus
Appearance	Clear Thin Liquid	Odor Threshold	No information available
Color	clear Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks Methods</u>
pH	12.7	No information available
Melting/freezing point		No information available
Freezing Point		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		
Vapor pressure	17	No information available
Vapor density	0.62	No information available
Specific Gravity	1.013	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 8.44
Bulk Density VALUE No information available

10. STABILITY AND REACTIVITY

Stability Stable

Incompatible products Strong oxidizing agents, Cationics

Conditions to Avoid None known based on information supplied

Hazardous Decomposition Products If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.

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
Potassium hydroxide	214 mg/kg (Rat)		

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
Potassium hydroxide		80: 96 h Gambusia affinis 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	Compounds, Cleaning Liquid
Dot	Not regulated
Proper shipping name	Compounds, Cleaning Liquid
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

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:
POTASSIUM HYDROXIDE

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).

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.

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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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