



# Material Safety Data Sheet

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Sani Rinse II

**Product code** 41739-1  
**Reference number(s)** 40191-5

**UN/ID No** UN1903

**Recommended Use** Disinfectant

**EPA Registration Number** 10324-81-72802

### **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**

Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

**Appearance** Clear, Colorless to straw colored liquid.

**Physical state** liquid.

**Odor** Benzaldehyde (Organic)

### **Potential Health Effects**

#### **Acute toxicity**

##### **Eyes**

Causes burns and may result in permanent injury to eyes including blindness.

##### **Skin**

Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin.

##### **Inhalation**

Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central

##### **Ingestion**

nervous system effects. Symptoms may include headaches, dizziness, and drowsiness.

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### **Chronic Effects**

Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

#### **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 %
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	2.00-4.00
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	5538-94-3	1.0-2.0
Ethanol	64-17-5	0.5-2.0
Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	2.00-4.00
Didecyldimethylammonium chloride	7173-51-5	1.0-2.0

### 4. FIRST AID MEASURES

<b>Eye contact</b>	Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advise.
<b>Inhalation</b>	If symptoms are experienced, move victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call poison control center or doctor for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Notes to physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable			
<b>Flash point Method</b>	None when heated to 100°C - Cleveland Open Cup None when heated to 100°C - Cleveland Open Cup.			
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment			
<b>Hazardous Combustion Products</b>	Irritating and toxic gases or fumes may be released during a fire.			
<b>Explosion Data</b>				
<b>Sensitivity to Mechanical Impact</b>	none			
<b>Sensitivity to Static Discharge</b>	none			
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Physical and chemical hazards</b> -
<b>HMIS</b>	<b>Health Hazard</b> 3	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal protection</b> B

### 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>	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Large Spills: Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.
<b>Methods for cleaning up</b>	Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas.

## 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	KEEP OUT OF REACH OF CHILDREN Avoid contact with skin and eyes Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water
<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a cool, well-ventilated place Keep from freezing

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 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>Appearance</b>	Clear, Colorless to straw colored liquid.	<b>Odor</b>	Benzaldehyde (Organic)
<b>Color</b>	Clear, colorless to straw colored	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	<b>Methods</b>
pH	6.0-8.0	No information available	
Melting/freezing point		No information available	
Freezing Point		No information available	
Boiling point/boiling range		No information available	
Flash Point		None when heated to 1 00°C - Cleveland Open Cup.	
Evaporation rate		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		0.9905 (-8.26 lbs/gal)	
Water solubility		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		1.94MM <sup>2</sup> /s (cSt) @22°C	
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(%)	<20
Density VALUE	No information available
Bulk Density VALUE	No information available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Incompatible products</b>	Strong oxidizing agents (may result in fire.), reducing agents.
<b>Conditions to Avoid</b>	Keep away from heat and strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>LD50 Oral:</b>	> 2,000 mg/kg in male and female rats.
<b>LD50 Dermal:</b>	>200 thru 2,000 mg/kg in male and female rabbits.
<b>Eye contact</b>	Corrosive.
<b>Skin contact</b>	Corrosive

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	7060 mg/kg ( Rat )		124.7 mg/L ( Rat ) 4 h
Alkyl (C12-16) dimethylbenzylammonium chloride	426 mg/kg ( Rat )		
Didecyldimethylammonium chloride	84 mg/kg ( Rat )		

**Chronic toxicity**

**Chronic toxicity** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very Toxic to aquatic organisms. Information available upon request.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Ethanol		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

**Persistence and degradability** Product is biodegradable.

Chemical Name	log Pow
Ethanol	0

## 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

Ethanol	Toxic Ignitable
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## 14. TRANSPORT INFORMATION

<b>Note</b>	UN1903, Disinfectant liquid, Corrosive, n.o.s., 8, PG III
<b>Dot</b>	Regulated
<b>Proper shipping name</b>	UN1903, Disinfectant liquid, Corrosive, n.o.s., 8, PG III
<b>Hazard class</b>	8
<b>UN/ID No</b>	UN1903
<b>Packing Group</b>	III
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated
<b>IMDG / IMO</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>ADN</b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

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

SARA Title III, Sections 311/312 - This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40

CFR 370: Classification of this product: Immediate, Fire

#### 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.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Chemical Name	California Prop. 65
Ethanol	Carcinogen Developmental

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

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Ethanol	AZ, CA, CT, ID, MA, MN, NJ, PA, RI
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAP65C, IL, MA, MN, NJ, PA
AZ - Arizona Ambient Air Quality Guidelines	MA - Massachusetts Right to Know List
CT - Connecticut Hazardous Air Pollutants	MN - Minnesota Hazardous Substances List CA –
California Director's List of Hazardous Substances	NJ - New Jersey Right to Know List
CAP65C - California Prop 65 Reproductive Toxin	PA - Pennsylvania Right to Know List
ID - Idaho Non-carcinogen Toxic Air Pollutants	RI - Rhode Island Hazardous Substances List
IL - Illinois Toxic Air Contaminant - Carcinogenic	

**International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits
Ethanol		Mexico: TWA 1000 ppm Mexico: TWA 1900 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.

**WHMIS Hazard Class**

E Corrosive material  
D2B Toxic materials

**16. OTHER INFORMATION**

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

**Issuing date** 13-Oct-2011

**Revision Date** 25-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**