

**SaniZide®Plus Germicidal Solution****SDS Revision Date (mm/dd/yyyy): 03/14/2019**

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**SAFETY DATA SHEET****SECTION 1. IDENTIFICATION****Product identifier used on the label**: **SaniZide®Plus Germicidal Solution****Product Code(s)**: 9900010  
Premoistened towelette  
Canister: 160 Count  
Container: 4oz, 8oz, 16oz, 32oz and 1 gallon**Recommended use of the chemical and restrictions on use**: Personal Care Applications  
Restriction on use: None known**Chemical family**

: Mixture.

**Name, address, and telephone number of the supplier:****Varidyn**19 Chapin Road - Building C  
Pine Brook, NJ, USA 07058  
800-827-3035**Name, address, and telephone number of the manufacturer:****Safetec of America, Inc.**887 Kensington Avenue  
Buffalo, NY, USA 14215  
Supplier's Telephone # : 716-895-1822  
**24 Hr. Emergency Tel #** : 1-800-255-3924**SECTION 2. HAZARDS IDENTIFICATION****Classification of the chemical**

Towelette / pad saturated with clear, colourless liquid, or Clear liquid. Odorless.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

The classification below is provided for informational purposes only.

**Classification:**

Skin Irritation - Category 2

Serious eye damage/eye irritation - Category 2A

**Label elements***Hazard pictogram(s)**Signal Word*

Warning!

*Hazard statement(s)*

Causes skin irritation.

Causes serious eye irritation.

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*Precautionary statement(s)*

Wash thoroughly after handling.  
 Wear protective gloves and eye/face protection.  
 If on skin: Wash with plenty of water.  
 Take off contaminated clothing and wash it before reuse.  
 If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: get medical advice/attention.

**Other hazards**

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethoxylated nonylphenol	Nonylphenol Ethoxylated	9016-45-9	<b>0.53</b>
Alkyl dimethyl benzyl ammonium chloride	Quaternary ammonium compound Benzalkonium chloride	68391-01-5	<b>0.11</b>
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	68956-79-6	<b>0.11</b>

### SECTION 4. FIRST-AID MEASURES

**Description of first aid measures**

*Ingestion* : None required when used as intended. If swallowed, DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.  
*Inhalation* : None required when used as intended. If symptoms develop, move victim to fresh air. Get medical attention if symptoms persist.  
*Skin contact* : None required when used as intended. If irritation or symptoms develop, seek medical attention.  
*Eye contact* : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed**

: None expected, when used as intended.  
  
 Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.  
 Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Indication of any immediate medical attention and special treatment needed**

: Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

*Suitable extinguishing media* : Water. Water spray. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>).  
*Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

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**Special hazards arising from the substance or mixture / Conditions of flammability**

: Burning may produce irritating, toxic and obnoxious fumes.

**Flammability classification (OSHA 29 CFR 1910.106)**

: Not flammable.

**Hazardous combustion products**

: Carbon oxides. Hydrogen chloride

**Special protective equipment and precautions for firefighters**
*Protective equipment for fire-fighters*

: None known.

*Special fire-fighting procedures*

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

: Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

**Environmental precautions** : Avoid discharge into drains, water courses or onto the ground.

**Methods and material for containment and cleaning up**

: Wipe up with absorbent material (e.g. cloth, fleece).

**Special spill response procedures**

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

: Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes.

**Conditions for safe storage** : Keep container tightly closed. Keep cool. Store away from incompatible materials.

**Incompatible materials** : Strong oxidizing agents. Acids.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>				
<b>Chemical Name</b>	<b>ACGIH TLV</b>		<b>OSHA PEL</b>	
	<b>TWA</b>	<b>STEL</b>	<b>PEL</b>	<b>STEL</b>
Ethoxylated nonylphenol	N/Av	N/Av	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride	N/Av	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	N/Av	N/Av	N/Av

**Exposure controls**
**Ventilation and engineering measures**

: Ensure adequate ventilation, especially in confined areas.

**Respiratory protection**

: None required when used as intended.

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**Skin protection** : None required when used as intended.  
**Eye / face protection** : None required when used as intended.  
**Other protective equipment** : None required when used as intended.  
**General hygiene considerations** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : Towelette / pad saturated with clear, colourless liquid. or Clear liquid.  
**Odour** : Odorless.  
**Odour threshold** : Not available.  
**pH** : 11 - 12  
**Melting/Freezing point** : (-1.1 °C) 30.02 °F  
**Initial boiling point and boiling range** : (93.33 °C) 200 °F  
**Flash point** : (93.3 °C) 200.0 °F  
**Flashpoint (Method)** : Seta closed cup  
**Evaporation rate (BuAe = 1)** : Not available.  
**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)** : Not available.  
**Upper flammable limit (% by vol.)** : Not available.  
**Oxidizing properties** : Not available.  
**Explosive properties** : Not available.  
**Vapour pressure** : Not available.  
**Vapour density** : > 1  
**Relative density / Specific gravity** : 1.01  
**Solubility in water** : Complete  
**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Not available.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)** : 0%  
**Absolute pressure of container** : Not available.  
**Flame projection length** : Not available.  
**Other physical/chemical comments** : None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** : Stable under normal conditions.

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**SAFETY DATA SHEET****Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

**Conditions to avoid**

: High temperatures.

**Incompatible materials**

: Strong oxidizing agents. Acids

**Hazardous decomposition products**

: None known, refer to hazardous combustion products in Section 5.

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure:****Routes of entry inhalation** : YES**Routes of entry skin & eye** : YES**Routes of entry Ingestion** : NO**Routes of exposure skin absorption**

: YES

**Potential Health Effects:****Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

*Sign and symptoms ingestion*

: No harmful effects expected in amounts likely to be ingested by accident.

*Sign and symptoms skin*

: None expected, when used as intended. Causes skin irritation. Symptoms may include a burning sensation, redness, swelling, drying, and cracking of the skin.

*Sign and symptoms eyes*

: None expected, when used as intended. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

**Potential Chronic Health Effects**

: None expected, when used as intended.

**Mutagenicity**

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive effects & Teratogenicity**

: This product is not expected to cause reproductive effects.

**Sensitization to material**: This product is not expected to cause respiratory sensitization.  
This product is not expected to cause skin sensitization.**Specific target organ effects** : This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).**Medical conditions aggravated by overexposure**

: None reported by the manufacturer.

**Synergistic materials**

: None reported by the manufacturer.

**Toxicological data**

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

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<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethoxylated nonylphenol	1310mg/kg	N/Av	>2000 mg/kg
Alkyl dimethyl benzyl ammonium chloride	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	N/Av	N/Av

**Other important toxicological hazards**

: None reported by the manufacturer.

**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity** : Do not allow material to contaminate ground water system. The product is not classified as environmentally hazardous.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Ethoxylated nonylphenol	9016-45-9	0.13 mg/L Bluegill (Lepomis macrochirus)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Ethoxylated nonylphenol	9016-45-9	4.8 mg/L Water flea (Daphnia magna)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Ethoxylated nonylphenol	9016-45-9	20 mg/L/72hr Green algae (Selenastrum capricornutum)	8 mg/L/72hr Green algae (Selenastrum capricornutum)	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

**Persistence and degradability**

: No data is available on the product itself.

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**Bioaccumulation potential** : No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethoxylated nonylphenol (CAS 9016-45-9)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride (CAS 68391-01-5)	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides (CAS 68956-79-6)	N/Av	N/Av

**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.




### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Methods of Disposal** : Dispose of in accordance with local regulations. Empty container or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**RCRA** : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### SECTION 14. TRANSPORT INFORMATION

<b>Regulatory Information</b>	<b>UN Number</b>	<b>UN proper shipping name</b>	<b>Transport hazard class(es)</b>	<b>Packing Group</b>	<b>Label</b>
49CFR/DOT	None.	Not regulated. None Known.	not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				

**Special precautions for user** : None reported by the manufacturer.

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**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 : Not established.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethoxylated nonylphenol	9016-45-9	Yes	N/Ap	N/Av	No	N/Ap
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	Yes	N/Ap	N/Av	No	N/Ap
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Skin irritation Eye irritation Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals. .

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethoxylated nonylphenol	9016-45-9	No	N/Ap	No	No	No	No	No	No
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	No	N/Ap	No	No	No	No	No	No
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	No	N/Ap	No	No	No	No	No	No

**Canadian Information:**

All ingredients are listed on the DSL, or are exempted materials. Refer to Section 2 for a WHMIS Classification for this product.

**International Information:**

Components listed below are present on the following International Inventory list:



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<b>Ingredients</b>	<b>CAS #</b>	<b>European EINECs</b>	<b>Australia AICS</b>	<b>Philippines PICCS</b>	<b>Japan ENCS</b>	<b>Korea KECI/KECL</b>	<b>China IECSC</b>	<b>NewZealand IOC</b>
Ethoxylated nonylphenol	9016-45-9	500-024-6	Present	Present	(7)-172	KE-26244	Present	HSR003054; HSNO Approval: HSR006598, HSR006618 (dilution)
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	269-919-4	Present	Present	(3)-2694	KE-00775	Present	HSR003609
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	273-318-2	Present	Present	No data available.	2001-3-1988	Present	No data available.

### SECTION 16. OTHER INFORMATION

**Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CA: California  
 CAS: Chemical Abstract Services  
 CEPA: Canadian Environmental Protection Act  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
 CFR: Code of Federal Regulations  
 CPR: Controlled Products Regulation  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 DSL: Domestic Substances List  
 EPA: Environmental Protection Agency  
 HMIS: Hazardous Materials Identification System  
 HPA: Hazardous Products Act  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organisation  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 MA: Massachusetts  
 MN: Minnesota  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OEL: National occupational exposure limits  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PPE: Personal Protective Equipment  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 RQ: Reportable Quantity  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit

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TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Identification System

**References**

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
- 2. International Agency for Research on Cancer Monographs, searched 2018.
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - November 23, 2018 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

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**Revision No.**

: 2

**Revision Information**

: (M)SDS sections updated 2. HAZARDS IDENTIFICATION, 4. FIRST AID MEASURES, 11. TOXICOLOGICAL INFORMATION, 15. REGULATORY INFORMATION .

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<b><u>Prepared for:</u></b> Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY 14215 Telephone: 1-716-895-1822 <a href="http://www.safetec.com">www.safetec.com</a>	
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