

SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 1 of 10

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the	e label	
	SaniZide Pro 1 Surface	Disinfectant Wipes
Other means of identification	: 150 count Canister Premoistened towellette	
Recommended use of the che	emical and restrictions on use	
Chemical family	 Disinfectant. Restriction on use: None known Mixture. 	
•		Name address and talents are usual as
Name, address, and teleph of the supplier:	ione number	Name, address, and telephone number of the manufacturer:
Safetec of America, Inc.		Refer to supplier
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. Alcohol odour.

This is a registered EPA product. The product labeling is in compliance with EPA regulations and guidelines. This chemical is a disinfectant product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-disinfectant chemicals. The hazard information required on the disinfectant label is reproduced below. The disinfectant label also includes other important information, including directions for use.

Hazards to humans and Domestic animals.

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet. Flammable. Keep away from heat or open flame.

The following OSHA classification is for informational purposes only: Flammable Liquid - Category 2 Serious eye damage/irritation - Category 2A Specific Target Organ Toxicity - Single Exposure - Category 3 (narcotic effects)

Label elements

Hazard pictogram(s)



DANGER!



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 2 of 10

SAFETY DATA SHEET

Hazard statement(s)

Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statement(s)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Keep cool. Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	<u>CAS #</u>	Concentration (% by weight)
Ethanol	Alcohol Ethyl alcohol	64-17-5	80.0 - 100.0
Dodecyldimethyl ammonium chloride	1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	7173-51-5	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion	 None required under normal conditions. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting, unless directed to do so by qualified medical personnel. Get medical attention.
Inhalation	 If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
Skin contact	: Wash off with warm water and soap. Get medical attention if symptoms occur.
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 persist.
Most important sympto	oms and effects, both acute and delayed

: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Dry chemicals.Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media

: Do not use water jet as extinguisher, as this will spread the fire.



SaniZide Pro 1 Surface Disinfectant Wipes

SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 3 of 10

SAFETY DATA SHEET

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

: Highly flammable liquid and vapor. Vapors may travel considerable distance to a source of ignition and flash back. Toxic fumes, gases or vapors may evolve on burning.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable liquids - Category 2

Hazardous combustion products

: Carbon oxides.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighter should wear full protective clothing including self contained breathing apparatus. Normal protective clothing (bunker gear) may not be adequate. A full-body encapsulating chemical protective suit may be necessary.

Special fire-fighting procedures

: Fight fire with normal precautions from a reasonable distance. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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
 - : In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Avoid breathing mist or vapor. Avoid contact with skin, eyes and
		clothing. Observe good industrial hygiene practices.
Conditions for safe storage	:	Do not store around flammable or combustible materials. Store in tightly close original
C		container in a well-ventilated place. Keep cool.
Incompatible materials	:	Strong oxidizing agents.Acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	<u>ACGI</u>	<u>H TLV</u>	<u>OSHA I</u>	PEL
	<u>TWA</u>	<u>STEL</u>	PEL	<u>STEL</u>
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m³)	N/Av
Dodecyldimethyl ammonium chloride	N/Av	N/Av	N/Av	N/Av



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 4 of 10

SAFETY DATA SHEET

Exposure controls					
Ventilation and engineering	measures				
	: Explosion-proof general and local exhaust ventilation.				
Respiratory protection	: None required when used as intended.				
Skin protection	: None required when used as intended.				
Eye / face protection	: None required when used as intended. Chemical goggles are recommended when there is a potential for splashing.				
Other protective equipment	: None required when used as intended.				
General hygiene consideration	ons				
: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.					
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES					

Appearance	: Towelette / pad saturated with clear, colourless liquid.
Odour	: Alcohol odour.
Odour threshold	: Not available.
рН	: 3.7 @ 77°F
Melting Point/Freezing point	: Not available.
Initial boiling point and boiling	ng range
	: Not available.
Flash point	: 18.5°C (65.3°F)
Flashpoint (Method)	: Closed cup
Evaporation rate (BuAe = 1)	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower flammable limit (% by	vol.)
	: 3.3% (Ethanol)
Upper flammable limit (% by	
	: 19% (Ethanol)
Oxidizing properties	: None.
Explosive properties	: Not explosive
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density / Specific gr	avity
	: 0.86
Solubility in water	: Complete
Other solubility(ies)	: Not available.
Partition coefficient: n-octan	ol/water or Coefficient of water/oil distribution
	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	
Viscosity	: 3.23 cSt @ 68°F
Volatiles (% by weight)	: Not available.
Volatile organic Compounds	
	: Not available.
Absolute pressure of contain	
	: Not available.
Flame projection length	: Not available.



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 5 of 10

SAFETY DATA SHEET

Other physical/chemical comments

: None known or reported by the manufacturer.

Reactivity	 The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous re	eactions
-	: Hazardous polymerization does not occur.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources No smoking.
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 : YES

Routes of exposure skin absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

	:	High concentrations may cause nausea, headache, dizziness and incoordination.
Sign and symptoms ingestic	n	
	:	None expected, when used as intended. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sign and symptoms skin	:	None expected, when used as intended. Direct skin contact may cause slight or mild, transient irritation.
Sign and symptoms eyes	:	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.
Potential Chronic Health Eff		-
	:	None reported by the manufacturer.
Mutagenicity	:	Not expected to be mutagenic.
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive effects & Tera	tog	enicity
	:	This product is not expected to cause reproductive or developmental effects.
Sensitization to material	:	Not expected to be a skin or respiratory sensitizer.
Specific target organ effects	: :	None expected, when used as intended. May cause drowsiness or dizziness.
Medical conditions aggravation	ed	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.



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 6 of 10

SAFETY DATA SHEET

	LC50(4hr)	LD50	
<u>Chemical name</u>	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethanol	> 32 380 ppm (61 mg/L) 4 hours (vapour)	7060 mg/kg	> 15 800 mg/kg
Dodecyldimethyl ammonium chloride	N/Av	658 mg/kg	2730mg/kg

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Contains material that may be harmful in the environment. Do not release, unmonitored, into the environment.

Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethanol	64-17-5	> 100 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av
Dodecyldimethyl ammonium chloride	7173-51-5	0.33 mg/L (Rainbow trout)	N/Av	1

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethanol	64-17-5	5012 mg/L Water flea (Daphnia magna)	N/Av	N/Av
Dodecyldimethyl ammonium chloride	7173-51-5	0.029 mg/L (Daphnia magna)	0.021 mg/L (Daphnia magna)	10

Ingredients	CAS No	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Ethanol	64-17-5	1000 mg/L/96hr Green algae (Selenastrum capricornutum)	N/Av	N/Av		
Dodecyldimethyl ammonium chloride	7173-51-5	0.110mg/L (Green algae)	0.034mg/L (Green algae)	1		

Persistence and degradability

: Ethanol is considered to be readily biodegradable.

Bioaccumulation potential

: No data is available on the product itself. See the following data for ingredient information.



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 7 of 10

SAFETY DATA SHEET

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)			
Ethanol (CAS 64-17-5)	- 0.31	N/Av			
Dodecyldimethyl ammonium chloride (CAS 7173-51-5)	2.59	81			
Mobility in soil	: None known or reported by the manufacturer.				
Other Adverse Environmental	effects				
	: No other adverse environmental effects (e.g. ozono creation potential, endocrine disruption, global war this component.				
SECTION 13. DISPOSAL CO	DNSIDERATIONS				
Handling for Disposal	: Collect and reclaim or dispose in sealed containers	s at licensed waste disposal site.			
Methods of Disposal	: Dispose in accordance with all applicable regulatio	ns.			
RCRA	: If this product, as supplied, becomes a waste in the United States, it may meet the				

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label		
ICAO/IATA	UN1170	Ethanol	3	II			
ICAO/IATA Additional information	Refer to ICAO/	IATA Packing Instruction					
49CFR/DOT	UN1170	ETHANOL	LQ ground	II	\diamond		
49CFR/DOT Additional information		d as LIMITED QUANTITY when transported in quantitie g gross mass. Refer to 49 CFR Section 173.150.	es no larger than 1	Litre, in pac	kages not		
IMDG	UN1170	ETHANOL	LQ ground	II	\diamond		
IMDG	Consult the IMI	DG regulations for exceptions.	i				
Additional information							
	UN1170	ETHANOL	LQ ground	II	\diamondsuit		

Environmental hazards

Special precautions for user : None reported by the manufacturer.

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



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 8 of 10

SAFETY DATA SHEET

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:

		CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical			
Ingredients CAS # Invento		Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de minimus Concentration	
Ethanol	64-17-5	Yes	N/Ap	N/Ap	No	N/Ap	
Dodecyldimethyl ammonium chloride	7173-51-5	Yes	N/Ap	N/Av	No	N/Ap	

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable Eye irritation Specific target organ toxicity, single exposure.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	Californi	State "Right to Know" Lists						
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Dodecyldimethyl ammonium chloride	7173-51-5	No	N/Ap	No	No	No	No	No	No

Canadian Information:

WHMIS Classification: See Section 2. All ingredients are present on the DSL.

International Information:

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

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Dodecyldimethyl ammonium chloride	7173-51-5	230-525-2	Present	Present	(2)-184	KE-10281	Present	HSR002708

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



Page 9 of 10

SaniZide Pro 1 Surface Disinfectant Wipes

SDS Preparation Date (mm/dd/yyyy): 08/20/2019

SAFETY DATA SHEET

	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 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 Functional Functions for 2010
	Biological Exposure Indices for 2018.
	2. International Agency for Research on Cancer Monographs, searched 2019.
	3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2019
	(Chempendium, HSDB and RTECs).
	4. Safety Data Sheets from manufacturer.
	5. US EPA Title III List of Lists - June 2019 version.
	6. California Proposition 65 List - June 2019 version.
	7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,
Proporation Data Imm/dd/	2019.
Preparation Date (mm/dd/yyyy	
	: 08/20/2019
Other special considerations	for handling
	Provide adequate information, instruction and training for operators.

: Provide adequate information, instruction and training for operators.



SaniZide Pro 1 Surface Disinfectant Wipes SDS Preparation Date (mm/dd/yyyy): 08/20/2019

Page 10 of 10

SAFETY DATA SHEET

Prepared for: Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY, USA, 14215 Telephone: (716) 895 1822 Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) http://www.thecompliancecenter.com

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