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887 Kensington Avenue
Buffalo, NY, USA, 14215
Telephone: (716) 895 1822

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SECTION 1. IDENTIFICATION

Product identifier used on the label
: **SaniZide Pro 1 Surface Disinfectant Wipes**

Other means of identification : 160 count Canister
Premoistened towelette

Recommended use of the chemical and restrictions on use
: Disinfectant.
Restriction on use: None known

Chemical family : Mixture.

Name, address, and telephone number of the supplier:

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

Name, address, and telephone number of the manufacturer:
Refer to supplier

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)



Signal Word

Danger

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Hazard statement(s)

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

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use non-sparking tools. Take action to prevent static discharges. 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 or doctor if you feel unwell. If eye irritation persists: Get medical advice. 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	CAS #	Concentration (% by weight)
Ethanol	Alcohol Ethyl alcohol	64-17-5	**60.0 - 80.0**
Didecyl Dimethyl Ammonium Chloride	DDCA	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 symptoms 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.

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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 container in a well-ventilated place. Keep cool.

Incompatible materials : Strong oxidizing agents.Acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	**ACGIH TLV**		**OSHA PEL**	
	TWA	**STEL**	**PEL**	**STEL**
Ethanol	**N/Av**	**1000 ppm**	**1000 ppm (1900 mg/m³)**	**N/Av**
Didecyl Dimethyl Ammonium Chloride	**N/Av**	**N/Av**	**N/Av**	**N/Av**

Exposure controls

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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 considerations
: 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

Physical State : Solid Towelette
Colour : Clear, colorless.
Odour : Alcohol odour.
Odour threshold : Not available.
pH : 3.7 @ 77°F
Melting Point/Freezing point : Not available.
Initial boiling point and boiling range
: Not available.
Flash point : 18.5°C (65.3°F)
Flashpoint (Method) : Closed cup
Evaporation rate (BuAe = 1) : Not available.
Flammability : Flammable.
Lower explosion or flammability limit (% by vol.)
: 3.3% (Ethanol)
Upper explosion or flammability limit (% by vol.)
: 19% (Ethanol)
Oxidizing properties : Not applicable
Explosive properties : Not explosive
Vapour pressure : Not available.
Relative vapour density : Not available.
Relative density / Specific gravity
: 0.86
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 : 3.23 cSt @ 68°F
Particle characteristics : Not applicable.
Volatiles (% by weight) : Not available.
Volatile organic Compounds (VOC's)
: Not available.
Absolute pressure of container
: Not available.
Flame projection length : Not available.

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Other physical/chemical comments
: Not applicable

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.
Possibility of hazardous reactions
: 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
: Carbon oxides.

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 ingestion
: 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 Effects
: 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 & Teratogenicity
: 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 aggravated by overexposure
: Not available.
Synergistic materials : Not available.
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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Chemical name	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
Ethanol	> 32 380 ppm (61 mg/L) 4 hours (vapour)	7060 mg/kg	> 15 800 mg/kg
Didecyl Dimethyl Ammonium Chloride	N/Av	658 mg/kg	2730mg/kg

Other important toxicological hazards : Not applicable

SECTION 12. ECOLOGICAL INFORMATION

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

Ecotoxicity data:

Ingredients	CAS #	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
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.33 mg/L (Rainbow trout)	N/Av	1

Ingredients	CAS #	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
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.029 mg/L (Daphnia magna)	0.021 mg/L (Daphnia magna)	10

Ingredients	CAS #	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
Didecyl Dimethyl 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.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Ethanol (CAS 64-17-5)	- 0.31	N/Av

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Mobility in soil : None known or reported by the manufacturer.

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 in accordance with all applicable regulations.

RCRA : 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
49CFR/DOT	UN3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	not regulated	II	
49CFR/DOT Additional information	Special provision 47 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
ICAO/IATA	UN3175	Solids containing flammable liquid, n.o.s.	not regulated	II	
ICAO/IATA Additional information	Special provision A46 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
IMDG	UN3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	not regulated	II	
IMDG Additional information	Special provision 216 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
TDG	UN3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	not regulated	II	
TDG Additional information	Special provision 56 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				

Special precautions for user : Not applicable.

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.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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

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Ingredients	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 Minimis Concentration
Ethanol	64-17-5	Yes	N/Ap	N/Ap	No	N/Ap
Didecyl Dimethyl Ammonium Chloride	7173-51-5	Yes	N/Ap	N/Av	No	NS

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 #	California Proposition 65		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
Didecyl Dimethyl Ammonium Chloride	7173-51-5	No	N/Ap	No	No	No	No	No	No

Canadian Information:

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
Didecyl Dimethyl 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
CAS: Chemical Abstract Services
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable

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N/Av: Not Available
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
PEL: Permissible exposure limit
PPE: Personal Protective Equipment
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
2. ECHA - European Chemical Agency
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
4. Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists
6. California Proposition 65 List
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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Revision No. : 3

Revision Information : Section 1: count updated to 160

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