

Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 1 of 10

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the	e label	
	: Instant Hand Sanitize	r with Fresh Scent
Other means of identification	e: 9900001 Bottles: 1.5 oz, 2.0 oz, 4.0 oz,	8.0 oz, 16 oz
Recommended use of the che	emical and restrictions on use	
Chemical family	 Personal Care Applications Restriction on use: None know Mixture. 	'n
Name, address, and telephone number of the supplier:		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

Clear, light green liquid. Alcohol odor

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification : Flammable liquids - Category 2 Eye damage/irritation -Category 2A Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

Label elements

Hazard pictogram(s)



Warning! Hazard statement(s)

> Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 2 of 10

SAFETY DATA SHEET

Precautionary statement(s)

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store in well-ventilated place. Keep cool. Store locked up.

Dispose of contents/container in accordance with local regulation.

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	50.0 - 73.0
Triethanolamine	2,2',2"-Nitrilotriethanol Tris(2-hydroxyethyl)amine	102-71-6	0.1 - 1.0

The exact concentrations and/or specific chemical identities of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first ai	d measures	
Ingestion	 Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Never give anything by mouth to an unconscious person. 	
Inhalation	 If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist. 	
Skin contact	 Rinse skin with water/shower. If skin irritation occurs: get medical advice/attention. Wash contaminated clothing before reuse. 	
Eye contact	 If in eyes, rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. 	
Most important symptoms and effects, both acute and delayed		
	Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	



Instant Hand Sanitizer with Fresh Scent

SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 3 of 10

SAFETY DATA SHEET

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically. This product is a CNS depressant.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing med	ia
- •	: Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.
Unsuitable extinguishing m	edia
	: Do not use water jet as extinguisher, as this will spread the fire.
Special hazards arising from	the substance or mixture / Conditions of flammability
	 Flammable liquid and vapor. Vapour can travel considerable distance and flashback to a source of ignition. Vapors are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material.
Flammability classification (OSHA 29 CFR 1910.106)
	: Flammable liquids - Category 3
Hazardous combustion prod	ucts
	: Carbon oxides.
Special protective equipmen Protective equipment for fire	t and precautions for firefighters e-fighters
	: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Special fire-fighting procedu	
	: Fight fires from a safe distance. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.
SECTION 6. ACCIDENTA	L RELEASE MEASURES
Personal precautions, protect	ctive equipment and emergency procedures
Environmental precautions	 Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection, see section 8 of the SDS. Do not allow material to contaminate ground water system. For large spills, dike the
-	area to prevent spreading.
Methods and material for con	ntainment and cleaning up
	: Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand),

then place absorbent material into a container for later disposal (see Section 13).

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). US CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling			
Conditions for safe storage Incompatible materials	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices. Keep containers closed when not in use. Strong oxidizing agents. Acids.	



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 4 of 10

SAFETY DATA SHEET

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:					
Chemical Name	ACGI	ACGIH TLV		OSHA PEL	
	TWA	<u>STEL</u>	PEL	<u>STEL</u>	
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m³)	N/Av	
Triethanolamine	5 mg/m³	N/Av	N/Av	N/Av	

Exposure controls

Ventilation and engineering measures

Respiratory protection	 Ensure adequate ventilation, especially in confined areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with CSA Z94.4-02.
Skin protection	: Wear gloves impervious to this material. Advice should be sought from glove suppliers.
Eye / face protection	: Chemical splash goggles are recommended. A full face shield may also be necessary.
Other protective equipment	: An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Other equipment may be required depending on workplace standards.
General hygiene consideration	ns
	: Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear, light green liquid.
Odour	:	Alcohol
Odour threshold	:	Not available.
рН	:	6.3 - 8.1
Melting Point/Freezing point	:	Not available.
Initial boiling point and boiling	ıg	range
	:	Not available.
Flash point	:	81.0 °F (27.2 °C)
Flashpoint (Method)	:	Closed cup
Evaporation rate (BuAe = 1)	:	Not available.
Flammability (solid, gas)	:	Not applicable.
Lower flammable limit (% by	vo	l.)
	:	3.3%
Upper flammable limit (% by	vo	l.)
	:	19%
Oxidizing properties	:	Not applicable
Explosive properties	:	Not explosive
Vapour pressure	:	Not available.



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 5 of 10

SAFETY DATA SHEET

Vapour density	: Not available.	
Relative density / Specific gr	avity	
	: 0.89	
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	: Not available.	
Viscosity	: Not available.	
Volatiles (% by weight)	: Not available.	
Volatile organic Compounds	(VOC's)	
	Not available.	
Absolute pressure of contain	ner	
	: Not available.	
Flame projection length	: Not available.	
Other physical/chemical com	nments	
	: 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	: Material is stable under normal conditions.	
Possibility of hazardous read	tions	
	Hazardous polymerization does not occur.	

Conditions to avoid : Keep away from heat, sparks and open flames.

Incompatible materials : See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products

: See Section 5 (Fire Fighting Measures).

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 abs	or	otion
	:	YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

	:	May cause drowsiness and dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.
Sign and symptoms ingestio	n	
	:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sign and symptoms skin	:	Direct skin contact may cause slight or mild, transient irritation.



Instant Hand Sanitizer with Fresh Scent

SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 6 of 10

SAFETY DATA SHEET

Sign and symptoms eyes	:	Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.
Potential Chronic Health Effe	ect	S
	:	Prolonged or repeated skin contact may cause drying and irritation. Prolonged overexposure may cause liver and kidney effects.
Mutagenicity	:	Not expected to be mutagenic.
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive effects & Terat	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	:	This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification : Specific target organ toxicity, single exposure - Category 3 (narcotic effects) May cause drowsiness and dizziness.
Medical conditions aggravat	ed	by overexposure
	:	None reported by the manufacturer.
Synergistic materials	:	None reported by the manufacturer.
Toxicological data	:	See below for individual ingredient acute toxicity data.

	LC50(4hr)	LDs	0
Chemical name	inh, rat	<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
Triethanolamine	N/Av	6110 mg/kg	> 19 870 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : The product is not classified as environmentally hazardous. Avoid release to the environment.

Ecotoxicity data:

Ingredients	040.04	Toxicity to Fish				
	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
Ethanol	64-17-5	> 100 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av		
Triethanolamine	102-71-6	11 800 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av		



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 7 of 10

SAFETY DATA SHEET

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		
Triethanolamine	102-71-6	609.88 mg/L Water flea (Ceriodaphnia dubia)	16 mg/L Water flea (Daphnia magna)	N/Av		

Ingredients	CAS No	Тоз	xicity 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
Triethanolamine	102-71-6	512 mg/L/72hr Green algae (Desmondesmus subspicatus)	N/Av	N/Av

Persistence and degradability

: Not available.

Bioaccumulation potential : Not available.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Ethanol (CAS 64-17-5)	- 0.31	N/Av
Triethanolamine (CAS 102-71-6)	-2.53	<3.9 BCF method: OECD 30

Mobility in soil : Not available.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal	: See Section 7 (Handling and Storage) for further details. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container.
Methods of Disposal	 Dispose in accordance with all applicable federal, state, provincial and local regulations.
RCRA	: If the product becomes a waste, it may meet the criteria of a hazardous waste according to the US RCRA Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 8 of 10

SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
IMDG	UN1170	ETHANOL	LQ ground	III	\diamond
IMDG Additional information	Consult the IMI	DG regulations for exceptions.			
ICAO/IATA	ID8000	Consumer Commodity	9	none	Y
ICAO/IATA Additional information	Inner container size may not exceed 500 mL. Gross weight per package cannot exceed 30 kg. Follow Packing Instruction Y963.				
49CFR/DOT	None	Consumer Commodity	LQ ground	none	\diamond
49CFR/DOT Additional information	Must be a cons	umer-type product, in Limited Quantity size. Package wei	ight must not ex	ceed 30 kg	gross.

Environmental hazards : This p

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:

la suo dia sta			CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
<u>Ingredients</u>			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	
Triethanolamine	102-71-6	Yes	N/Ap	N/Ap	No	N/Ap	

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:Flammable;Eye irritation;Specific target organ toxicity, single exposure .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:



Instant Hand Sanitizer with Fresh Scent SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 9 of 10

SAFETY DATA SHEET

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
ingredients		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Triethanolamine	102-71-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes

Canadian Information:

All components of this product are on the Canadian DSL list. WHMIS Classification: See Section 2.

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
Triethanolamine	102-71-6	203-049-8	Present	Present	(2)-308	KE-25940	Present	HSR002785

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 HPA: Hazardous Substances Data Bank IARC: International Agency for Research on Cancer IATA: 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
	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



Instant Hand Sanitizer with Fresh Scent

SDS Preparation Date (mm/dd/yyyy): 02/13/2020

Page 10 of 10

SAFETY DATA SHEET

References :	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 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 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 - September 2019 version. 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.
Preparation Date (mm/dd/yyyy)	
	02/13/2020
Other special considerations fo	

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Safetec of America 887 Kensington Avenue Buffalo, NY 14215 Telephone: 1-716-895-1822 www.safetec.com



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