

Instant Hand Sanitizer with Fresh Scent

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Instant Hand Sanitizer with Fresh Scent**

Product Code(s)

: Bottles: 1.5oz, 2.0 oz, 4.0 oz, 8 oz, 16 oz, 64oz
Pouches: 0.057 oz, 0.125 oz, 0.9 gram
Wall mount: 16oz pump bottle

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:

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

Translucent light green gel. Fresh Scent.

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 OSHA Hazcom 2012/WHMIS 2015 regulations. The Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

Label elements

Signal Word

Not required

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

Other hazards

None known.

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> |
|----------------------|---|--------------|------------------------------------|
| 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 |

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SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage.
Inhalation : Harmful effects are not expected under normal usage.
Skin contact : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : None expected, when used as intended.

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). Water or fog spray.

- Unsuitable extinguishing media* : 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. Vapors are heavier than air and may spread along floors.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

Hazardous combustion products

- : Carbon oxides.

Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

Special fire-fighting procedures

- : 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). Wear appropriate personal protective equipment.

Environmental precautions

- : Avoid release to the environment.

Methods and material for containment and cleaning up

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

Special spill response procedures

- : Not applicable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : 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.

Conditions for safe storage

- : Keep containers closed when not in use.

Incompatible materials

- : Strong oxidizing agents. Acids.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Exposure Limits:</u> | | | | |
|-------------------------|---------------------|-------------|------------------------------------|-------------|
| <u>Chemical Name</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| Ethanol | N/Av | 1000 ppm | 1000 ppm (1900 mg/m ³) | N/Av |
| Triethanolamine | 5 mg/m ³ | N/Av | N/Av | N/Av |

Exposure controls

Ventilation and engineering measures

: None required under normal conditions.

Respiratory protection

: None required under normal conditions.

Skin protection

: None required under normal conditions.

Eye / face protection

: None required under normal conditions.

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 : Light green gel.

Odour : Fresh.

Odour threshold : Not available.

pH : 6.3 - 8.1

Melting/Freezing point : Not available.

Initial boiling point and boiling 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 vol.)

: 3.3%

Upper flammable limit (% by vol.)

: 19%

Oxidizing properties : Not applicable

Explosive properties : Not explosive

Vapour pressure : Not available.

Vapour density : Not available.

Relative density / Specific gravity

: 0.89

Solubility in water : Complete

Other solubility(ies) : Not available.

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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)

: Not available.

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 : Material is stable under normal conditions.

Possibility of hazardous reactions

: 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 absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: None expected, when used as intended.

Sign and symptoms ingestion

: None expected, when used as intended.

Sign and symptoms skin

: None expected, when used as intended.

Sign and symptoms eyes

: None expected, when used as intended.

Potential Chronic Health Effects

: None expected, when used as intended.

Mutagenicity : Not expected to be mutagenic.

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

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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.

Medical conditions aggravated by overexposure

: None reported by the manufacturer.

Synergistic materials

: None reported by the manufacturer.

Toxicological data

: See below for individual ingredient acute toxicity data.

| <u>Chemical name</u> | <u>LC₅₀(4hr)</u> <u>inh, rat</u> | <u>LD₅₀</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 |
| 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:

| <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> |
| 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 |

| <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> |
| 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 |

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| <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> |
| 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 (Desmodesmus subspicatus) | N/Av | N/Av |

Persistence and degradability

: Not available.

Bioaccumulation potential

: Not available.

| <u>Components</u> | <u>Partition coefficient n-octanol/water (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|--------------------------------|--|--------------------------------------|
| Ethanol (CAS 64-17-5) | -0.31 | N/Av |
| Triethanolamine (CAS 102-71-6) | -2.53 | <3.9 BCF method: OECD 305C |

Mobility in soil

: Not available.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Dispose of in accordance with local regulations.

Methods of Disposal

: Dispose of in accordance with local regulations.

RCRA

: Not applicable.






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SECTION 14. TRANSPORTATION INFORMATION

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|--|-------------------------|----------------------------|---------------|---|
| 49CFR/DOT | UN1170 | ETHANOL SOLUTION | New LTD QTY | III |  |
| 49CFR/DOT Additional information | May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass. See 49CFR Part 173.150 for all exceptions. | | | | |
| ICAO/IATA | UN1170 | Ethanol Solution | LQ air | III |   |
| ICAO/IATA Additional information | Refer to ICAO/IATA Packing Instruction May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass. | | | | |
| IMDG | UN1170 | ETHANOL SOLUTION | LQ ground | III |  |
| IMDG Additional information | Consult the IMDG regulations for exceptions. May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass. | | | | |
| TDG | UN1170 | ETHANOL SOLUTION | LQ ground | III |  |
| TDG Additional information | May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass. | | | | |

Special precautions for user : Keep away from heat and flame.

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:

| 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 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: Fire Hazard;Acute Health Hazard 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.

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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 |
| 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:

| <u>Ingredients</u> | 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
- 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

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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 Exposure Indices for 2016
- 2. International Agency for Research on Cancer Monographs, searched 2016
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2016 version.
- 6. California Proposition 65 List - 2016 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2016.

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

| | |
|---|--|
| <p>Prepared for: Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY 14215 Telephone: 1-716-895-1822 www.safetec.com</p> |  |
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