

SAFETY DATA SHEET

1. Identification

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|---|--|
| Product identifier | SaniZide Plus® Germicidal Solution |
| Other means of identification | Not available. |
| Recommended use | Not available. |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufacturer | |
| Manufacturer: | Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY 14215 |
| Company Telephone: | 1-716-895-1822 |
| E-mail Address: | www.safetec.com |
| Emergency Telephone: | 1-800-255-3924 |
| Supplier | Refer to Manufacturer |

2. Hazard(s) identification

Physical hazards This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Environmental hazards This mixture does not meet the classification criteria according to OSHA HazCom 2012.

OSHA defined hazards This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Label elements



Signal word

Warning

Hazard statement

Causes serious eye irritation. Causes skin irritation.

Precautionary statement

Prevention

Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection.

Response

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 on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage

None required according to OSHA Hazcom 2012.

Disposal

None required according to OSHA Hazcom 2012.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|------------|-------|
| Nonoxynol-10 | Nonylphenol, ethoxylated | 9016-45-9 | 0.53 |
| Alkyl-dimethyl-benzyl-ammonium chloride | Quaternary ammonium compound BENZALKONIUM CHLORIDE | 68391-01-5 | 0.105 |
| Alkyl-dimethyl-ethyl-benzyl-ammonium chloride | | 68956-79-6 | 0.105 |

4. First-aid measures

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|---|---|
| Inhalation | If symptoms develop move victim to fresh air. 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 occur. |
| Ingestion | Seek medical advice. |
| Most important symptoms/effects, acute and delayed | Causes serious eye irritation. Causes skin irritation. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Thermal decomposition or combustion may liberate toxic gases or fumes. |
| Special protective equipment and precautions for firefighters | None known. |
| Fire fighting equipment/instructions | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| General fire hazards | No unusual fire or explosion hazards noted. |
| Hazardous combustion products | Carbon oxides. Hydrogen chloride. |

6. Accidental release measures

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| 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. |
| Methods and materials for containment and cleaning up | Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste. |
| | Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal. |
| | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

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| Precautions for safe handling | When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Use only with adequate ventilation. Wash thoroughly after handling. |
| Conditions for safe storage, including any incompatibilities | Keep container tightly closed. Keep cool. Store away from incompatible materials. |

8. Exposure controls/personal protection

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| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Ensure adequate ventilation, especially in confined areas. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Chemical resistant gloves recommended. |
| Other | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information. |

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| Respiratory protection | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Contact health and safety professional or manufacturer for specific information. |
| Thermal hazards | Not available. |
| 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. |

9. Physical and chemical properties

| | |
|---|------------------------------|
| Appearance | Liquid. |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Colorless. |
| Odor | Odorless. |
| Odor threshold | Not available. |
| pH | 11 - 12 |
| Melting point/freezing point | 30.02 °F (-1.1 °C) |
| Initial boiling point and boiling range | 200 °F (93.33 °C) |
| Flash point | 200.0 °F (93.3 °C) Setaflash |
| Evaporation rate | Slower then ethyl ether. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | > 1 |
| Relative density | 1.01 |
| Solubility(ies) | |
| Solubility (water) | Complete. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| VOC (Weight %) | 0 % |

10. Stability and reactivity

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| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | High temperatures. |
| Incompatible materials | Strong oxidizing agents. Acids. |
| Hazardous decomposition products | Carbon oxides. Hydrogen chloride. |

11. Toxicological information

Information on likely routes of exposure

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|---------------------|--|
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |

Ingestion No harmful effects expected in amounts likely to be ingested by accident.
Most important symptoms/effects, acute and delayed Causes serious eye irritation. Causes skin irritation.

Information on toxicological effects

Acute toxicity No adverse effects are expected.

| Components | Species | Test Results |
|--|--|-----------------------|
| Nonoxynol-10 (CAS 9016-45-9) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 2000 mg/kg |
| <i>Inhalation</i> | | |
| LC50 | Rat | 1310 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | No Data in Literature |
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | This product is not expected to cause respiratory sensitization. | |
| Skin sensitizer | This product is not expected to cause skin sensitization. | |
| Germ cell 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. | |

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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| Reproductive toxicity | This product is not expected to cause reproductive effects. |
| Specific target organ toxicity - single exposure | Not classified as a specific target organ toxicity -single exposure. |
| Specific target organ toxicity - repeated exposure | Not classified as a specific target organ toxicity -repeated exposure. |
| Aspiration toxicity | Not expected to be an aspiration hazard. |

12. Ecological information

Ecotoxicity Not expected to be harmful to aquatic organisms.

| Components | Species | Test Results |
|--------------------------------------|---|---|
| Nonoxynol-10 (CAS 9016-45-9) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Algae | EC50 | Green algae (Selenastrum capricornutum) 20 mg/l, 72 hours |
| Crustacea | EC50 | Water flea (Daphnia magna) 4.8 mg/l, 48 hours |
| Fish | LC50 | Bluegill (Lepomis macrochirus) 0.13 mg/l, 96 hours |
| <i>Chronic</i> | | |
| Algae | NOEC | Green algae (Selenastrum capricornutum) 8 mg/l, 72 hours |
| Persistence and degradability | Not available. | |
| Bioaccumulative potential | Not available. | |
| Mobility in soil | Not available. | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | |

13. Disposal considerations

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| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | |
|--------------------------|---|
| Hazard categories | Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No |
|--------------------------|---|

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision**Issue date** 01-30-2015**Version #** 01**Disclaimer**
Prepared by: ICC The Compliance Center Inc. 1-888-442-9628
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