

Product Code: **S5N, S5NQ, S5N55**

# MATERIAL SAFETY DATA SHEET

Comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200.

Printed: 1/16/2009

Page: 1 of 2

HMIS RATING: HEALTH = 1 FLAMMABILITY = 3 REACTIVITY = 0 PROTECTION = B

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Germicidal Solution  
**Manufacturer:** Burnishine Products  
755 Tri-State Parkway  
Gurnee, IL 60031  
847-263-3500

**Emergency Contact:**  
24-Hour Number: 1-800-535-5053  
International: 1-352-323-3500  
or contact your regional Poison Control.

**MSDS Issue Date:** 01/16/2009

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Wt % (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
Isopropyl Alcohol	67-63-0	21.0	400 ppm	400 ppm	N/D
Alkyl Dimethyl Benzyl Ammonium Chloride	69391-01-5	0.154	N/D	N/D	N/D
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	0.154	N/D	N/D	N/D
Ethylene Glycol Monobutyl Ether	111-76-2	--	25 ppm	25 ppm	N/D

## SECTION 3 – HAZARD IDENTIFICATION

**Routes of Entry:** Eye contact, skin contact, skin absorption, inhalation, ingestion.

**Effects of Acute Exposure:**

**Inhalation:** Prolonged or repeated contact may cause lightheadedness and/or irritation to nose and throat.

**Eyes:** Contact may cause irritation.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Ingestion can cause gastrointestinal irritation.

**Effects of Chronic Exposure:** None known.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis and other pre-existing skin conditions.

**Carcinogenicity:** NTP: N/A

**IARC Monographs:** N/A

**OSHA Regulated:** N/A

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

**Eyes:** Rinse with water for at least 15 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention immediately.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth and throat with water. Drink a quart of water. Get medical attention immediately.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point (Method Used):** 86°F TCC

**Flammable Limits:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Alcohol foam, carbon dioxide, or dry chemical.

**Special Fire Fighting Procedures:** Follow NIOSH recommended guidelines for alcohol fires.

**Unusual Fire and Explosion Hazards:** Vapors can be heavier than air. Never use torch or other source of flame near the product.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps to Be Taken in Case Material is Released or Spilled:** Absorb spill with an absorbent material and place in container for disposal. Wash the contaminated area with water.

## SECTION 7 – HANDLING AND STORAGE

**Precautionary Information:** Keep out of reach of children

**Handling and Storage Conditions:** Do not store near heat or open flame. Keep container closed when not in use. Avoid breathing of vapors and contact with eyes, skin, or clothing.

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Page: 2 of 2

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**Ventilation:** General ventilation normally adequate.

**Respiratory Protection (Specific Type):** None.

**Protective Gloves:** Latex, rubber, nitrile, or polyethylene.

**Eye Protection:** Safety glasses.

**Other Protective Clothing or Equipment:** None.

**Work/Hygienic Practices:** None.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Colorless

**Odor:** Alcohol

**Specific Gravity (H<sub>2</sub>O = 1):** 0.96

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/A

**pH:** 7.5

**Product State:** Liquid

**Boiling Point:** N/D

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Solubility in Water:** Complete

**VOC:** N/D

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents.

**Hazardous Decomposition or By-products:** May include and are not limited to oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, open flames, sparks.

## SECTION 11- TOXICOLOGICAL INFORMATION

**Toxicological Data:** N/A

## SECTION 12- ECOLOGICAL INFORMATION

**Environmental Data:** N/A

## SECTION 13- DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 14- TRANSPORTATION INFORMATION

**Domestic Ground Transport of Non-Bulk Packages:** Aqueous Solution of Alcohol {173.150 (e) (2)}, Ltd. Qty.

**Air and International Shipments:** Alcohols, n.o.s., (Isopropanol), 3, UN1987, Pkg. Grp. III

## SECTION 15- REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SARA Title III, Section 313 reportable chemicals: Ethylene Glycol Monobutyl Ether.

## SECTION 16 – OTHER INFORMATION

**Additional Information:** Use as directed.

**Note:** N/A or N/D as an information entry means the data is not applicable or determined, respectively.

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