

**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT IDENTIFICATION:**

Trade Name..... : QUIKSAN

Class..... : Instant Hand Sanitizer

DOT/UN Hazard Classification: (2 oz, 4 oz): ORM-D (domestic ground)

(16 oz): Flammable Liquid, NOS (Contains Isopropanol), 3, UN 1993, PG II, Ltd. Qty.

(1 gal) : Flammable Liquid, NOS (Contains Isopropanol), 3, UN 1993, PG II.

Manufacturer: The Dodge Company, Inc.  
165 CambridgePark Drive  
Cambridge, MA 02140-2388  
(617) 661-0500

Hazard Rating: FIRE..... 3      4 = Extreme  
HEALTH..... 2      3 = High  
REACTIVITY..... 0      2 = Moderate  
SPECIAL..... 0      1 = Slight  
0 = No Hazard

**II. HAZARDOUS INGREDIENTS:**

<u>Common Name</u>	<u>Chemical Family</u>	<u>CAS#</u>	<u>Wt %</u>	<u>Exposure Limit</u>
Isopropanol or	Alcohol	67-63-0	65	400 ppm (OSHA TWA and ACGIH TLV-TWA)
Isopropyl Alcohol				500 ppm (OSHA STEL and ACGIH TLV-STEEL)

**III. PHYSICAL DATA:**

Boiling Point (°F)..... : 158-162 (70-72°C)

Vapor Pressure (mm Hg): 33\*

Vapor Density (Air=1).... : Greater than 1

Solubility in Water..... : Complete

Specific Gravity (H<sub>2</sub>O=1)..... : 0.870-0.890

Percent Volatile (by volume)..... : 99

Evaporation Rate (Bu Acetate=1): Greater than 1

pH..... : N.A.

Appearance and Odor: Clear liquid, somewhat viscous, and slightly perfumed.

**IV. FIRE AND EXPLOSION HAZARD DATA:**

Flammable Limits in Air: 2%-12%\*

Flash point: 48-52°F (9-11°C)

\*Property of isopropanol.

Extinguishing Media: Water spray, alcohol foam, carbon dioxide, or dry chemical.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment.

Unusual Fire and Explosion Hazards: Vapor is heavier than air and may flow along surface to distant sources and be ignited by pilot lights, heaters, electric motors, smoking, or other sources.

**V. REACTIVITY DATA:**

Stability: Stable.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid exposure to heat and sources of ignition.

Incompatibility (materials to avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

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**Name:** QUIKSAN

**VI. HEALTH HAZARD DATA:** Primary routes of entry: INHALATION.

**Hazard Identification:**

**INHALATION:** Can cause dizziness, nausea, visual impairment, respiratory failure, muscular incoordination, and narcosis.

**EYE CONTACT:** Exposure to high vapor concentrations or contact with liquid; causes redness and irritation.

**INGESTION:** Causes irritation of the gastrointestinal tract, abdominal pain, diarrhea, dizziness, and headache.

**Emergency and First Aid Procedures:**

**INHALATION:** Remove person from contaminated area. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Contact a physician.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes. Contact a physician immediately.

**INGESTION:** If the person is conscious, induce vomiting immediately by giving 2 glasses of water and pressing finger down the throat. Contact a physician immediately.

**VII. SAFE HANDLING AND USE:**

**Spill Procedures:** Eliminate ignition sources. Soak up with noncombustible absorbent material. Remove absorbent material for proper disposal.

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

**VIII. SPECIAL PROTECTION INFORMATION:**

**Respiratory Protection:** Use with adequate ventilation.

**Protective Gloves:** Product is made for use on bare hands.

**Eye Protection:** Not necessary under conditions of normal use.

**Ventilation:** Local exhaust is recommended to stay below exposure limits.

**IX. SPECIAL PRECAUTIONS:**

**Handling and Storage:** Avoid prolonged breathing of vapor. Avoid use in enclosed area where ignition may occur. Store in a cool place. Avoid contact with eyes. Do not smoke in areas of use or storage. Keep out of reach of children.