

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 (H₂O=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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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.