



# SAFETY DATA SHEET

## SECTION 1: PRODUCT IDENTIFICATION

**PRODUCT:** Hand Sanitizer  
**Product Label Name:** Dawn Mist Alcohol Gel Hand Sanitizer  
**Company Name and Address:** Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
**Emergency Telephone Number:** 631-656-3800  
**Recommended use:** This product is intended for use as a sanitizer to decrease bacteria on skin. It is expected to contact the skin. It is for external use only.

## SECTION 2: HAZARDOUS IDENTIFICATION

**Hazard Class/Category:** Flammable Liquid - 3

**Hazard Symbol:**



**Hazardous Classification:** This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Flammable

**Signal Word, Cautions or Precautionary statements:** Keep out of reach of children. Flammable.  
**Target Organs:** respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

**Potential Health Effects:** See Section 11 for more information.

**Symptoms of Exposure: Inhalation:** May cause irritation of the respiratory tract. Exposure at High concentrations may cause dizziness, drowsiness, headaches, mental confusion, and lung damage.

**Ingestion:** May cause nausea, vomiting and diarrhea. . Large concentrations may cause irritation of nasal, esophageal and digestive tract. A large dose may cause may cause dizziness, drowsiness, headaches, mental confusion, and lung damage.

**Eyes:** May cause irritation to the eyes.

**Skin:** None expected except prolonged contact may result in irritation and dermatitis.

**Carcinogens:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.). Potential Environmental Effects: See Section 12 for more information.



**SECTION 3: INFORMATION ON INGREDIENTS**

Hazardous Components (Specific Chemical identity: Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ethanol CAS: 64-17-5	1000ppm	1000ppm	
Isopropanol CAS: 67-63-0	400ppm	---	

This product contains no SARA 313 reportable substances.

**SECTION 4: FIRST-AID MEASURES**

Emergency first aid procedures by route of exposure:

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed have victim drink 1-3 glasses of water to dilute stomach contents. Seek medical attention or advice.
- Skin:** If irritation is experienced, flush with water. If irritation persists, seek medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes

**SECTION 5: FIRE-FIGHTING MEASURES**

- Flash Point:** 71°F (21.6°C)
- Method Used:** ASTM D-93
- Lower Flammable Limit:** 3.3 (Volume % in air)
- Upper Flammable Limit:** 19.0 (Volume % in air)
- Auto Ignition:** (Ethyl Alcohol) 363°C
- Flammability Classification:** Flammable Liquid IB Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.
- Products of Combustion:** Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.
- Fire Fighting Equipment/Instructions:** Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.
- NFPA Rating:** Health: 2  
Fire: 3  
Reactivity: 0
- Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

**Environmental Precautions:** Prevent discharge to open waters.

**Method for Containment:** Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

**Methods for Clean-Up:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid inhalation. Use in well ventilated area

**Storage:** Keep the container tightly closed and in a cool, well ventilated place.

## SECTION 8: EXPOSURE CONTROLS

**Ethyl Alcohol (64-17-5)**

ACGIH: 1,000 ppm TWA

OSHA: 1,000 ppm TWA; 1,900 mg/m<sup>3</sup> TWA

**Isopropyl Alcohol (67-63-0)**

ACGIH: 200 ppm TWA

OSHA: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA

**Engineering Controls:** Normal room ventilation is usually adequate under normal use.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** None needed under normal use – Wear goggles is exposed to unusual amount and splashing

**Skin Protection:** None needed under normal use - Wear overalls or apron if splashing is possible

**Respiratory Protection:** None needed under normal use. May be needed if vapor concentration is high.

**General Hygiene Considerations:** None needed under normal use.



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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color:	Clear Translucent
Odor:	Alcohol/Citrus Physical State: Gel
PH:	Not Available.
Vapor Density:	(Ethyl Alcohol) 1.6
Boiling Point:	(Ethyl Alcohol) 78.5°C
Vapor Pressure:	(Ethyl Alcohol) 57.3 hPa at 20°C
Melting Point:	(Ethyl Alcohol) -114.1°C
Freezing Point:	Not Available Flash Point (see section 5)
Flammability Properties	(see section 5)
Solubility (in water):	Soluble
Specific Gravity @ 25°C:	0.88-0.92
Evaporation Rate:	Not Available
Octanol/Water partition coefficient:	Not Available
Auto-ignition temperature:	(Ethyl Alcohol) 363°C
Decomposition temperature:	Not Available

### SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal ambient temperatures 70°C (21°C)
Condition to Avoid:	Avoid excessive heat or sources of ignition.
Incompatible Materials:	This product reacts with strong acid, strong bases, and oxidizing agents.
Hazardous Decomposition:	Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.
Hazardous Reactions:	Hazardous polymerization will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### ACUTE EFFECTS:

**A: General Product information** Product contains isopropyl alcohol.

**B: Acute Toxicity** Low order of acute toxicity is possible.

**CHRONIC EFFECTS:** Component

#### Ethyl Alcohol (64-17-5)

**Carcinogenicity:** **ACGIH A4** – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains ethyl alcohol, a central nervous system target.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** Ethyl alcohol is a developmental toxin when consumed during pregnancy.

**Target Organs:** When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.



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## Isopropyl Alcohol (67-63-0)

<b>Carcinogenicity:</b>	<b>ACGIH A4</b> – Not Classifiable as a Human Carcinogen
<b>Neurotoxicity:</b>	This product contains isopropyl alcohol, a central nervous system target.
<b>Mutagenicity:</b>	No information available for product.
<b>Reproductive:</b>	No information available for product.
<b>Developmental:</b>	No information available for product.
<b>Target Organs:</b>	skin, eyes, CNS, Kidney, developmental and respiratory system.

### Section 12: ECOLOGICAL INFORMATION

Solutions of alcohols are toxic to aquatic life at moderate to low concentrations. No long-term ecological effects are likely.

Concentrated solutions of alcohols and surfactants may cause damage to aquatic and terrestrial plants

### Section 13: DISPOSABLE CONSIDERATIONS

Dispose in accordance with federal state and local regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld near container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

### Section 14: TRANSPORTATION INFORMATION

<b>DOT CFR 172.01 Data:</b>	Isopropanol Solution (3) Flammable Liquid UN1219 PGII
<b>UN Proper Shipping Name:</b>	Isopropanol Solution
<b>UN Class</b>	(3) Flammable Liquid
<b>UN Number</b>	1219
<b>Packaging Group</b>	II

### Section 15: REGULATORY INFORMATION

Labeling Information: Flammable



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### SECTION 16: OTHER INFORMATION

**Issue Date:** 3-26-14  
**Revision Date:** 12-7-15

#### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.