

# MATERIAL SAFETY DATA SHEET

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## I-PRODUCT IDENTIFICATION

### CHEMCO HAND SANITIZER

PRODUCT CODE:

CHEMICAL FORMULATION:

HMS RATING: HEALTH: 1 FLAMMABILITY: 3 REACTIVITY: 0

HAZARD RATING: 4-Extreme; 3-High; 2-Moderate; 1-Slight; 0-Insignificant

## SECTION 1- MATERIAL IDENTIFICATION AND INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV(ppm)	CARCINOGEN REF SOURCE**
ETHANOL	64-17-5	NO	1000	1000	d

\*\*Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372).

## SECTION 2 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (liquid only): 173-212°F	MELTING POINT: N/D
VAPOR PRESURE (psig@70°F)(aero): N/A	SPECIFIC GRAVITY (liquid only)(H2O=1): 0.98
VAPOR DENSITY (AIR=1): >1	Vapor Pressure (Non-Aerosols) (mmHg and Temperature): >18mmHg@20°F
SOLUBILITY IN WATER: COMPLETE	EVAPORATION RATE (water=1): >1
	WATER REACTIVE: NO

APPEARANCE AND ODOR: Wipes moistened with colorless liquid with light, pleasant odor.

## SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)

N/A

AUTO IGNITION TEMPERATURE

N/A

Flammability Limits in Air by % in Volume: % LEL:>3.3% UEL: N/A

FLASH POINT AND METHOD USED (Liquid only) (non-aerosols): 80°F (TCC)

EXTINGUISHING MEDIA: NONE

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARD: Product contains alcohol. Flames due to vapors emitted from the liquid absorbed into these wipes might be difficult to see because they are virtually colorless.

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## SECTION 4 – REACTIVITY HAZARD DATA

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**STABILITY:** STABLE

**INCOMPATIBILITY:** STRONG OXIDIZERS

**CONDITIONS TO AVOID:** HEAT, IGNITION SOURCES, FIRE

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

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## SECTION 5 – HEALTH HAZARD DATA

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**ROUTES OF ENTRY**

**INHALATION:** YES

**SKIN:** YES

**INGESTION:**

**ACUTE EFFECTS:**

**Inhalation (liquid only):** Drowsiness, irritation.

**Eye Contact (liquid only):** Irritation **Skin Contact (liquid only):** Usually none; however may cause drying of skin with repeated and prolonged contact

**Ingestion (liquid only):** May cause nausea, drowsiness, incoordination, loss of consciousness, and difficulty with speech, central nervous system depression.

**CHRONIC EFFECTS (liquid only):** None Known

Medical Conditions Generally Aggravated by Exposure (liquid only): Pre-existing dermatitis or dermal abrasions.

**EMERGENCY FIRST AID PROCEDURES**

**Eye Contact (liquid only):** Flush with water for 15 minutes. If irritation persists, get medical attention.

**Skin Contact (liquid only):** Flush with water

**Inhalation (liquid only):** Remove to fresh air

**Ingestion (liquid only):** Drink two large glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

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## SECTION 6-CONTROL AND PROTECTIVE MEASURES

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**VENTILATION:** NORMAL INDOOR VENTILATION IS ADEQUATE

**RESPIRATORY PROTECTION:** NONE REQUIRED UNDER NORMAL USE. IF PEL/TLV IS EXCEEDED, USE RESPIRATOR APPROVED BY NIOSH FOR ORGANIC VAPORS.

**PROTECTIVE GLOVE:** NONE REQUIRED UNDER NORMAL USE.

**EYE PROTECTION:** NONE REQUIRED UNDER NORMAL USE. IF DIRECT CONTACT OF LIQUID TO EYE MEMBRANE IS POSSIBLE, SAFETY GLASS OR GOGGLES SHOULD BE USED.

**OTHER PROTECTIVE EQUIPMENT:** NONE NEEDED

**HYGIENIC WORK PRACTICES:** NO SPECIAL INSTRUCTIONS NECESSARY. THIS PRODUCT IS INTENDED FOR EXTERNAL USE ONLY.

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## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** ABSORB SPILLED LIQUID INTO ABSORBENT MEDIA. (SEE BELOW FOR DISPOSAL).

**WASTE DISPOSAL METHOD:** DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATION.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN ORIGINAL SHIPPING CONTAINERS, UNDER COVER AND IN AMBIENT TEMPERATURES. DO NOT STORE IN DIRECT HEAT OR SUNLIGHT. AVOID STORAGE IN FREEZING TEMPERATURES. KEEP CLOSED WHEN NOT IN USE. DO NOT STORE IN EXTREME TEMPERATURES.

**OTHER PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. READ & FOLLOW DIRECTIONS.

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