



SAFETY DATA SHEET

Product: **MARC 281 LEMON HAND & SKIN
SANITIZER WIPES**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 281 LEMON HAND & SKIN SANITIZER WIPES**

SDS DATE: 07/09/18

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927
PHONE: 402-564-7104 FAX: 403-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Hand sanitizing towel.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION:

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Flammable liquids

Category 3

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING:**



Flammable liquid and vapor.

- PRECAUTIONARY STATEMENTS:** Prevention
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
 - Keep container tightly closed
 - Ground/bond container and receiving equipment
 - Use explosion-proof electrical/ventilating/lighting/equipment
 - Use only non-sparking tools
 - Take precautionary measures against static discharge
 - Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- None

Skin

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Fire

- In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage

- Store in a well-ventilated place. Keep cool.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): Not applicable.

OTHER INFORMATION: Toxic to aquatic life.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

*The exact percentage (concentration) of composition has been withheld as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>WEIGHT %</u>	<u>TRADE SECRET</u>
Ethanol	64-17-5	10 – 30%	*



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STORAGE: Keep container tightly closed in a dry and well-ventilated place when not in use. Do not contaminate food or feed stuffs. Keep away from heat and sources of ignition. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³

APPROPRIATE ENGINEERING CONTROLS/

VENTILATION: Ensure adequate ventilation.

RESPIRATORY PROTECTION: None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

EYE/FACE PROTECTION: No special equipment required. Avoid contact with eyes.

SKIN PROTECTION/PROTECTIVE GLOVES: No special protective equipment required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Showers, eyewash stations.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE: Liquid
COLOR: Slight haze to colorless
ODOR: Lemon, Alcohol
ODOR THRESHOLD: No information available.

PROPERTY

PROPERTY	VALUES	REMARKS/ - METHOD
pH:	6.2	None known
MELTING POINT:	No data available.	None known
BOILING POINT:	87.778°C / 190°F	None known
FLASH POINT:	37.778°C / 100°F	None known
EVAPORATION RATE:	No data available.	None known
FLAMMABILITY (solid, gas):	No data available.	None known
FLAMMABILITY LIMITS IN AIR:	UPPER FLAMMABILITY LIMIT: LOWER FLAMMABILITY LIMIT:	No data available. No data available.
VAPOR PRESSURE (mmHg):	No data available.	None known
VAPOR DENSITY (AIR = 1):	>1 (air = 1)	None known
SPECIFIC GRAVITY (H ₂ O = 1):	0.970	None known
SOLUBILITY IN WATER:	Soluble in water.	None known
SOLUBILITY IN OTHER SOLVENTS:	No data available.	None known
PARTITION COEFFICIENT, n-OCTANOL/WATER:	No data available.	None known
AUTO-IGNITION TEMPERATURE:	No data available.	None known
DECOMPOSITION TEMPERATURE:	No data available.	None known
VISCOSITY:	No data available.	None known
FLAMMABLE PROPERTIES:	Not flammable.	
EXPLOSIVE PROPERTIES:	No data available.	
OXIDIZING PROPERTIES:	No data available.	



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OTHER INFORMATION

VOC CONTENT (%): 18.49%

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Ignitions sources – heat, sparks and open flames. Incompatible products.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide (CO). Carbon Dioxide (CO₂). Smoke Soot. Nitrous oxide. Formaldehyde. Ammonia.

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

EYES: Contact with eyes may cause irritation.

SKIN: No known hazard in contact with skin.

INGESTION: Not an expected route of exposure. May be harmful if swallowed.

INHALATION: May cause irritation of respiratory tract.

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Ethanol	=7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms: No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization: No information available.

Mutagenic Effects: No information available.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 – Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1: Carcinogenic to Humans

NTP: (National Toxicity Program)

Known – Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X – Present

Reproductive Toxicity

No information available.

STOT – single exposure

No information available.

STOT – repeated exposure

No information available.

Aspiration Hazard

No information available.



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Numerical measures of toxicity – Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral: 35279 mg/kg; Acute toxicity estimate

Inhalation

Dust/mist: 623.1 mg/L; Acute toxicity estimate

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

TOXICITY TO ANIMALS: Toxic to aquatic life.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol 64-17-5		LC50 96 h:= 12.0-16.0 mL/L static (Oncorhynchus mykiss) LC50 96 h: > 100 mg/L static (Pimephales promelas) LC50 96 h: 13400 – 15100 mg/L flow-through (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50 48 h: 9268 – 14221 mg/L (Daphnia magna) EC50 24 h:= 10800 mg/L (Daphnia magna) EC50 48 h: = 2mg/L Static (Daphnia magna)

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

CHEMICAL NAME	LOG POW
Ethanol	-0.32

Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations.

CONTAMINATED PACKAGING: Do not re-use empty containers.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE
Ethanol	Toxic Ignitable



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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

DOT Not regulated.

CONTAINER SIZES(S): SPECIAL

PROPER SHIPPING NAME: TOWELS OR CLEANSING CLOTHS.

HAZARD CLASS: NONE; **ID NUMBER:** NONE

PACKING GROUP: NONE; **LABEL STATEMENT:** LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES: TSCA - Complies

LEGEND: TSCA – United States Toxic Substances Control Act Section 8(b) Inventory; DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. FEDERAL REGULATIONS

SECTION 313 of SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986): This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 HAZARD CATEGORIES:

Acute Health Hazard	No;	Chronic Health Hazard	No
Fire Hazard	Yes;	Sudden Release of Pressure Hazard	No
Reactive Hazard	No		

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. STATE REGULATIONS

California Proposition 65

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

CHEMICAL NAME	CAS-NO	California Prop. 65
Ethanol	64-17-5	Developmental

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

CHEMICAL NAME	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Ethanol	X	X	X		
White Mineral Oil	X	X	X		X

U.S. EPA Label Information: EPA Pesticide Registration Number - Not applicable.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1; Flammability = 2; Reactivity = 0; Other = -; Protection = X

REVISION DATE: 07/09/18; N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

DISCLAIMER: The information 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.