




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2163	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	LEMON AID	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Lemon Scented Hand Sanitizing Wipes	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200) Flammable Liquids: Category 3	SIGNAL WORD: Warning	SYMBOL:	
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HAZARD STATEMENTS:

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.

Response: 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.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):

Not applicable.

OTHER INFORMATION:

Toxic to aquatic life.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	Trade Secret
Ethanol	64-17-5	10-30	*

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

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

SKIN: None normally required. Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

INHALATION:

Not an expected route of exposure. Move to fresh air. If symptoms persist, call a physician.

INGESTION:

Not an expected route of exposure. If large quantities of this material are swallowed, call a physician immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Not expected to give rise to an acute hazard under normal condition of use.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical. Carbon dioxide (CO₂). Foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

CAUTION: Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Vapors may travel to source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS:

Nitrous oxide. Formaldehyde. Ammonia. Smoke. Fume. Incomplete combustion products. Oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: Yes.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment. High risk of slipping due to leakage/spillage of product. Remove all sources of ignition.

ENVIRONMENTAL PRECAUTIONS:

Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. See Section 12 for additional ecological information. Dispose of contents/container to an approved waste-disposal plant.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN-UP:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Small spillage: Wipe up with absorbent material (e.g. cloth, fleece). Large spillage: Use a noncombustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. Handling and Storage

SAFE HANDLING:

Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

SAFE STORAGE & INCOMPATIBILITIES:

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

Incompatible Products: Strong oxidizing agents.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol (64-17-4)	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

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: No special protective equipment required. Avoid contact with eyes.

Skin Protection: No special protective equipment required.

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

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

ENGINEERING CONTROLS:

Eyewash stations.

9. Physical & Chemical Properties

Appearance:	Slight haze to colorless.	Flammability(solid/gas):	No data available.
Physical State:	Liquid.	Flammability Limit-lower (%):	No data available.
Odor:	Lemon, alcohol.	Flammability Limit-upper (%):	No data available.
Odor Threshold:	No information available.	Explosive Properties:	No data available.
pH:	6.2	Flammable Properties:	Not flammable.
Melting Point/Range:	No data available.	Vapor Density:	>1 (air=1)
Boiling Point/Range:	87.778°C/190°F	Vapor Pressure:	No data available.
Solubility (other solvents):	No data available.	Relative Density:	No data available.
Flash Point:	37.778°C/100°F	Solubility (water):	Soluble in water.
Specific Gravity:	0.970	Auto-Ignition Temp:	No data available.
Evaporation Rate:	No data available.	Decomposition Temp:	No data available.
Oxidizing Properties:	No data available.	Partition Coeff(n-octanol/water):	No data available.
VOC Content (%):	18.49%	Viscosity:	No data available.

10. Stability & Reactivity Information

REACTIVITY:

No data available.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

Ignitions sources - Heat, sparks and open flames. Incompatible products.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide (CO). Carbon dioxide (CO₂). Smoke. Soot. Nitrous oxide. Formaldehyde. Ammonia

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Eyes: Contact with eyes may cause irritation.

Skin: No known hazard in contact with skin.

Inhalation: May cause irritation of respiratory tract.

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

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:

No information available.

DELAYED AND IMMEDIATE EFFECTS & ALSO CHRONIC EFFECTS FROM SHORT & 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.

NUMERICAL MEASURE 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.

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: = 2 mg/L Static (Daphnia magna)

PERSISTENCE AND DEGRADABILITY:

No information available.

BIOACCUMULATIVE POTENTIAL:

No information available.

Ethanol Log Pow: -0.32

OTHER ADVERSE EFFECTS:

No information available.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

Dispose of in accordance with federal, state, and local regulations.

CONTAMINATED PACKAGING:

Do not reuse empty containers.

Chemical Name	California Hazardous Waste
Ethanol	Toxic, Ignitable.

14. Transportation Information

NOTE: Although this product meets the definition of UN3175, it is exempt as a small sealed article or packet containing <10 ml of fully absorbed liquid. USDOT SP 47, UN SP 216, IATA/ICAO SP A46, TDG SP 56.

DOT: Not regulated.

IATA: Not regulated.

IMDG/IMO: Not regulated.

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

US FEDERAL REGULATIONS:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). 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 311/313 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: 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.

US 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

US 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

US EPA LABEL INFORMATION:

EPA Pesticide Registration Number: Not applicable.

16. Other Information

N/A = Not Applicable; N/D = Not Determined

NFPA	Health Hazards: 1	Flammability: 2	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 1	Flammability: 2	Physical hazards: 0	Personal protection: x

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.