Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hand Kleen Instant Hand Sanitizer
Distributor: Auto-Chlor Systems
Memphis TN 38105.
Telephone Number: (901) 579-2300

Website: www.auto-chlor.com

2. HAZARD IDENTIFICATION

Signal Word: Danger

Classification
Flammable Liquid: Category 2
Eye Irritation: Category 2

Hazard Statements
Highly flammable liquid and vapor
Causes eye irritation

Precautionary Statements
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed.
Take precautionary measures against static discharge. Store in a well ventilated place. Keep cool.
Avoid breathing fume/vapors.
IF SWALLOWED: Immediately call a Poison Center or Physician. Do not induce vomiting.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical attention.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO_2) for extinction.
Collect spillage. Dispose of contents and container in accordance with local regulations.

3. COMPONENTS

Significant Ingredients	CAS #	Weight %	Physical Haz
Ethyl Alcohol	64-17-5	> 50	Flam Liq 2
Water	7732-18-5	> 20	

This cleanser contains other ingredients that do not affect the product's final classification because of their minimal concentration. See product label for full ingredient information.

4. FIRST AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical attention.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
If skin irritation occurs, get medical attention.
IF SWALLOWED: Immediately call a Poison Center or Physician. Do not induce vomiting.
IF INHALED: Remove to fresh air; apply artificial respiration if necessary. Get medical attention.

5. FIRE-FIGHTING MEASURES

General Hazard
Flammable materials can form combustible mixtures at temperatures at or above the flash point. Empty containers can contain residues that can cause fires or explosions when exposed to heat, flames, or sparks.

Fire-Fighting
Keep fire exposed containers cool with water spray. Separate unburning product from fire. Use carbon dioxide, foam, or dry chemical extinguishing media to put out fires.

Unusual Decomposition Products Under Fire Conditions
None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Remove contaminated clothing, including shoes and wash thoroughly after contact.
Launder contaminated clothing before reuse.
Flood spill with water to reduce fire hazard.

Environmental Precautions
Prevent entry into sewers and natural waterways.
Once spill material is cleaned up, rinse area with water to remove slip/fall hazard.
Dispose of contents and container in accordance with local regulations.

7. HANDLING AND STORAGE

Safe Handling and Storage
Do not use near open flames or ignition sources; product and vapors while hands are drying are ignitable.
Do not handle, store, or dispense near open flames or ignition sources.
Keep containers inside and out of direct sunlight.
Exposure to extreme conditions will have an adverse affect on this product.
Do not reuse containers.

Incompatible Products
Avoid strong oxidizing and reducing agents.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation
Local exhaust is usually sufficient. General exhaust is preferred.

Personal Protection
This product is designed to be used on skin.
Chemical resistant gloves should be used when excessive handling would cause prolonged contact.

Work Place Exposure Guide Lines
Ethyl Alcohol has a recommended TWA of 1000 ppm.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	180 ºF
Specific Gravity (water = 1):	0.87
Vapor Pressure (mm Hg):	1
Melting Point:	Not Applicable
Vapor Density (Air = 1):	> 1
Evaporation Rate (butyl Acetate = 1):	1.2
Solubility in Water:	Soluble
Reactivity in Water:	NIL
Appearance and Odor:	Colorless gel with fruity odor
Flash Point:	55 ºF
Flammable Limits (volume percent in air):	LEL: Not Established UEL: Not Established
Autoignition Temperature:	Not Established

10. STABILITY AND REACTIVITY

Stability: [ ] Unstable [X] Stable
Conditions to Avoid: None
Incompatibility (Materials to avoid): Strong oxidizing and reducing agents.
Hazardous Decomposition Products: Combustion may produce oxides of carbon.
Hazardous Polymerization: [ ] May Occur [X] Will Not Occur
Conditions to Avoid: Not Applicable

11. TOXICOLOGICAL INFORMATION

Ethyl Alcohol has a LD50 of 7060 mg/kg.

Symptoms Related to the Toxicological Characteristics
Eye irritation which may include stinging, tearing, redness, swelling, and blurred vision. May be fatal if swallowed. Over exposure to alcohol vapors or aerosol concentrations above the recommended exposure level can depress the central nervous system resulting in headaches, a feeling of drowsiness, anesthesia, and even unconsciousness.

This product is not expected to cause cancer. This product is not expected to cause skin sensitization.
No data is available to indicate that any ingredient is mutagenic or genotoxic.
This product is not expected to cause reproductive or developmental effects.

Repeated exposure to low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

12. ECOLOGICAL INFORMATION

This product is not considered damaging to the environment, but it should not be allowed to enter into sewers or waterways.
This product contains a Volatile Organic Compound: So it will evaporate upon release.
Please refer to Section 6 for accidental release information.

13. DISPOSAL CONSIDERATIONS

Drained empty packaging can be recycled or disposed with other solid waste.
Unused product can be incinerated directly in appropriate equipment.

14. TRANSPORT INFORMATION

For package sizes of less than five liters, the DOT allows this product to be shipped ground as ORM-D Consumer Commodity.

This product is not packaged in approved packaging for Air or International transport.

15. REGULATORY INFORMATION

This product's label design and content follows the cosmetic labeling requirements of the Food and Drug Administration.

All components of this product are on the U.S. EPA TSCA Inventory List.

16. OTHER INFORMATION

This document was revised 20 May 2015

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.