

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE  
LOS ANGELES, CA 90040  
CHEM-TEL: (800) 255-3924

## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** Clean + Easy Purify Antiseptic Spray**DATE:** 1/23/2004**ITEM:** 41124**REV.** NEW

### Section 1. Material Identification and Information

**Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA
Ethyl Alcohol	64-17-5	62	OSHA PEL/TWA: 1000 ppm ACGIH TVL/TWA: 1000 ppm

### Section 2. Physical / Chemical Characteristics

<b>Boiling Point:</b>	173°F	<b>Specific Gravity:</b>	< 1
<b>Vapor Pressure:</b>	48mmHg @ 68°F		(H <sub>2</sub> O)
(mm Hg and Temperature)		<b>Melting Point:</b>	N/A
<b>Vapor Density:</b>	1.6	<b>Evaporation Rate:</b>	13.3
(Air = 1)		(NBA = 1)	
<b>Solubility in Water:</b>	Infinite	<b>% Volatile:</b>	95%
<b>Appearance:</b>	Pale Green		
<b>Odor:</b>	Fragrant		

### Section 3. Fire and Explosion Hazard Data

<b>Flash Point and Method Used:</b>	68°F Tag Closed Cup
<b>Auto-Ignition Temperature:</b>	N/A
<b>Flammability Limits in Air % by Volume:</b>	<b>LEL:</b> 3.3% <b>UEL:</b> 19%
<b>Extinguisher Media:</b>	Water spray, foam, dry chemical, carbon dioxide
<b>Special Fire Fighting Procedures:</b>	Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Fight fires from a safe distance/protected location. Heat may build pressure/rupture closed containers, spreading fire. Water may be ineffective in fire fighting due to low flash point. Use water spray/fog for cooling.
<b>Unusual Fire and Explosion Hazards:</b>	Flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Never use a welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

### Section 4. Reactivity Hazard Data

**Stability:** ☒ Stable ☐ Unstable

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**Incompatibility (Materials to Avoid):**

Strong oxidizers, open flame/sparks, aluminum metal, nitroform, oleum.

**Hazardous Decomposition:**

Incomplete combustion may yield carbon monoxide, carbon dioxide, or other toxic gases and acrid fumes.

**Hazardous Polymerization:**

☐ May Occur ☒ Will Not Occur

**Section 5. Health Hazard Data****Primary Routes of Entry:**

☒ Inhalation ☒ Skin Absorption ☒ Ingestion ☐ Not Hazardous

**Carcinogen Listed In:**

☐ NTP ☐ IARC Monograph ☐ OSHA ☒ Not Listed

**Health Hazards (Resulting From Misuse or Overexposure):**

Eye Contact: Can cause severe irritation, redness, swelling, tearing.  
Skin Contact: Repeated or prolonged contact may cause mild skin irritation including redness and burning.  
Inhalation: At room temperature, exposure to vapors are minimal due to physical properties; higher temperatures may generate vapor levels sufficient to cause irritation and other effects.

**Symptoms of Exposure:**

Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation (nose, throat, respiratory tract).

**Target Organs Effected:**

This product contains ethanol. Alcoholic beverage consumption has been associated with brain damage, heat damage, and pancreatitis in humans. The relevance of these findings to ethanol exposure in industrial environments is uncertain. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: liver abnormalities. Overexposure to this material (or it's components) has been suggested as a cause as a cause of the following effects in humans; liver abnormalities, eye damage.

**Cancer Information:**

This product contains ethanol. IARC has determined that exposure to ethanol through chronic human consumption of alcoholic beverages can cause cancer. The relevance of this finding to ethanol in industrial environments is uncertain.

**Emergency First Aid Procedures:**

Eye Contact: Immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Get medical attention if irritation develops.

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Inhalation:	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.
Ingestion:	Do not induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

**Section 6. Control and Protective Measures****Respiratory Protections (Specific Type):**

If workplace exposure limits of product is exceeded (see Toxicological Data) a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental controls. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see you industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

**Protective Gloves:** Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**Eye Protection:** Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Contact lenses must not be worn.

**Ventilation to be Used:**

☒ Local Exhaust      ☐ Mechanical      Special: Good Overall Ventilation

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, flames, or other ignition sources.

**Other Protective Clothing and Equipment:**

Emergency eye wash fountain should be available. Impervious clothing and boots.

**Hygienic Work Practices:**

Good Manufacturing Practices. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work.

**Section 7. Precautions for Safe Handling and Use / Leak Procedures****Steps to be Taken if Material is Spilled or Released:**

Extremely flammable liquid. Release causes immediate fire/explosion hazard. Liquids/vapors may ignite. Evacuate/limit access. Equip respondents with proper protection. Extinguish all ignition sources. Stop release, prevent flow to sewers/public waters. Restrict water use for cleanup. Notify fire/environmental authorities. Impound/recover large land spill. Blanket with fire fighting foam. Soak up small spill with inert solids. Use suitable disposal containers. On water, material is soluble and may float or sink. May biodegrade. Avoid overloading/poisoning plant biomass. Assure affluent complies with applicable regulations.

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**Waste Disposal Methods:**

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potentially low flash point. Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids in systems compatible with water soluble wastes. Avoid flameouts. Assure emissions comply with applicable regulations. Dilute aqueous waste. May biodegrade. Avoid overloading/poisoning plant biomass. Assure affluent complies with applicable regulations.

**Precautions to be taken in Handling and Storing:**

This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.