

SAFETY DATA SHEET

Aircare - Alcohol Based Hand Sanitizer

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Aircare - Alcohol Based Hand Sanitizer**
PRODUCT NUMBER: P/N 2320
U.N. NUMBER: UN1987
U.N. DANGEROUS GOODS CLASS: Alcohols, N.O.S. (Contains Ethyl Alcohol)
SUPPLIER/MANUFACTURER'S NAME: ECT Incorporated
ADDRESS: 338 Circle of Progress Blvd., Pottstown, PA 19464 USA
EMERGENCY PHONE: **Chemtrec - 800-424-9300**
BUSINESS PHONE: 610-239-5120
DATE OF PREPARATION: May 5, 2020
DATE OF LAST REVISION: New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a clear thin liquid with a characteristic alcohol odor.

Health Hazards: This product may be harmful if swallowed. Contact may cause irritation to the eyes.

Flammability Hazards: This product is flammable with a flash point of >79°F (>26°C).

Reactivity Hazards: Vapors may form explosive mixture with air.

Environmental Hazards: Not expected to cause adverse effects in the aquatic environment.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS

Complies with WHMIS 2015

GHS HAZARD SYMBOLS



Signal Word: **Warning!**

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1910.1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by OSHA in 29 CFR 1910.1200 or the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

NOTE: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product.

GHS Hazard Classification(s):

Flammable Liquid Category 3

Acute Oral Toxicity Category 4

Eye Irritant Category 2

Acute Inhalation Toxicity Category 4

Hazard Statement(s):

H226: Flammable Liquid and Vapor

H302: Harmful if swallowed

H319: Causes serious eye irritation

H332: Harmful if inhaled

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flame – No Smoking

P233: Keep container tightly closed

P261: Avoid breathing vapors/mists/spray

P280: Wear eye protection/face protection

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Response Statement(s):

P301+P312: IF SWALLOWED: Immediately call a Poison Center/doctor

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice/attention

P337+P313: If eye irritation persists: Get medical advice/attention

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

Storage Statement(s):

P403+P235: Store in a well-ventilated place. Keep cool

Disposal Statement(s):

P501: Dispose of contents/container in accordance with local/regional/national/international regulation

Other Hazards:

This mixture does not meet the criteria for PBT or vPvB in accordance with Annex VII.

Vapors may form explosive mixture with air

HEALTH HAZARDS OR RISKS FROM EXPOSURE:**ACUTE:** This is a personal care product. Not expected to have adverse health effects when used as directed. Prolonged or repeated exposure may cause mild skin irritation. Direct eye contact may cause irritation. May be harmful if swallowed.**CHRONIC:** None Known**TARGET ORGANS:** ACUTE: None known CHRONIC: None known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	GHS HAZARD CLASSIFICATION(S);
Ethyl Alcohol	64-17-5	200-578-6	0044	60 – 70%	H225: Flammable liquid & vapor Cat 2, H319: Eye Irritant Cat 2
Benzalkonium Chloride	8001-54-5	616-786-9	Not Listed	<1%	Not Classified
Demineralized Water	7732-18-5	231-791-2	Not Listed	Balance	Not Classified
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: * NOTE: The actual concentration is being withheld per WHMIS 2015 and OSHA HazCom 2012This product has been classified in accordance with the hazard criteria of the OSHA 29CFR1910.1200 and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.**SKIN CONTACT:** Seek medical attention if irritation develops and persists.**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin conditions may be aggravated by prolonged contact or exposure.**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: >79°F (>26°C).**AUTOIGNITION TEMPERATURE:** Not Available**FLAMMABLE LIMITS (in air by volume, %):** Lower (LEL): NA Upper (UEL): NA**FIRE EXTINGUISHING MATERIALS:** As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon, or water spray.

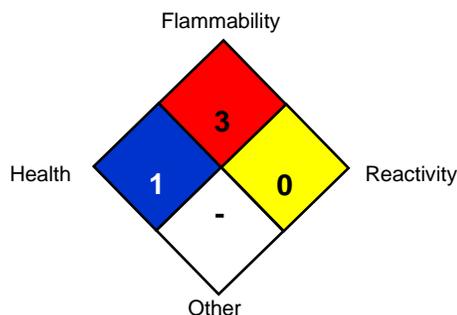
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UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air

HAZARDS:
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			1
FLAMMABILITY HAZARD (RED)			3
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Remove all sources of ignition. Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Cover with absorbent material, pickup and place in an appropriate container for re-use or disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Use in a well-ventilated location.
STORAGE AND HANDLING PRACTICES: Store containers in a cool, dry location away from ignition sources. Keep container tightly closed when not in use.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	1000 ppm
Benzalkonium Chloride	8001-54-5	Not Listed	Not Listed	Not Listed

Currently, International exposure limits are not established for the components of this product.
VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.
The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

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RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above. Please check with competent authority in each country for the most recent limits in place. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Not normally required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Not normally required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Not normally required when using this product. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Clear thin liquid with a characteristic alcohol odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Available
VAPOR DENSITY (AIR=1):	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (F°):	>158°F (>70°C)
FREEZING POINT (F°):	Not Available
FLASH POINT:	>79°F (>26°C).
pH:	Not Available
SPECIFIC GRAVITY 20°C: (WATER =1)	Not Available
SOLUBILITY IN WATER (%)	Soluble
WEIGHT PER GALLON:	Not Available
VOC CONTENT:	Not Available

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: Thermal decomposition this product produces Oxides of carbon.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizing agents

POSSIBILITY OF HAZARDOUS REACTIONS: Vapors may form explosive mixture with air.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, and sparks

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Chemical Name	CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol	64-17-5	>5000 mg/kg	>5000 mg/kg	20000 ppm
Benzalkonium Chloride	8001-54-5	240 mg/kg	No Data Available	No Data Available
Acute Toxicity	Oral Toxicity Category 4			
Skin Corrosion / Irritation	Based on available data, the classification criteria are not met			
Serious Eye Damage / Irritation	Eye Irritant Category 2			
Respiratory or Skin Sensitization	Based on available data, the classification criteria are not met			
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met			
Carcinogenicity	Based on available data, the classification criteria are not met			
Reproductive Toxicity	Based on available data, the classification criteria are not met			
STOT – Single Exposure	Based on available data, the classification criteria are not met			
STOT – Repeated Exposure	Based on available data, the classification criteria are not met			
Aspiration Hazard	Based on available data, the classification criteria are not met			

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: This product may cause eye irritation.

SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.

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REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

TOXICITY:

No specific data available on this product.

PERSISTENCE AND DEGRADABILITY:

Readily biodegradable

BIOACCUMULATIVE POTENTIAL:

No specific data available on this product

MOBILITY IN SOIL:

No specific data available on this product.

RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.

OTHER ADVERSE EFFECTS:

No evidence is currently available on this product's effects on aquatic life.

WATER ENDANGERMENT CLASS:

There are no ecotoxicological assessments for this product

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Alcohols, n.o.s. (Contains Ethanol)

HAZARD CLASS NUMBER and DESCRIPTION: Class 3

UN IDENTIFICATION NUMBER: UN1987

PACKING GROUP: PGIII.

DOT LABEL(S) REQUIRED: Flammable Class 3

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: Yes Reactivity: No

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U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 Chemical lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory or exempt from listing.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS

Disclaimer: To the best of ECT Incorporated's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

End of SDS Sheet