

Product name: ALLAVO HAND SANITIZER

Issue Date: 3/27/2020

1. IDENTIFICATION

Product name: ALLAVO HAND SANITIZER

Recommended use of the chemical and restrictions on use

Recommended use: Hand Sanitizer
 Uses advised against: Not to be ingested or applied anywhere but externally. Keep out of reach of children.

Company Identification

HR Pharmaceuticals, Inc.
 2600 Eastern Boulevard
 Suite 201
 York, PA 17402
 USA

Emergency Telephone Number: INFOTRAC
 (800) 535-5053
 +1 (352) 323-3500 (outside USA)
Company Telephone Number:
 (877)-302-1110
Company Fax Number:
 (717)-685-2590

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Respiratory Sensitization Category 1
 Skin Sensitization Category 1
 Flammable Liquids Category 3

Emergency Overview

Hazard Statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May cause an allergic skin reaction
 Highly flammable liquid and vapor
 Dangerous for the environment (in bulk)



Appearance: Clear, TMS
 Physical State: Gel
 Odor: Unfragranced

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces - NO SMOKING
 Keep container tightly closed
 Use explosion-proof electrical/ventilating/lighting equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge

Store in a well-ventilated place. Keep cool.

May be irritating to skin and eyes.
 Inhalation/Ingestion: May cause gastrointestinal irritation, diarrhea, and/or other irregular respiratory symptoms. Chronic health effects: None known.
 Medical conditions recognized as being aggravated by exposure: Pre-existing conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	Common Name/Synonyms	CAS #	Concentration (% by volume)
Ethanol	Ethyl alcohol, Alcohol denat.	64-17-5	70.00%

4. FIRST-AID MEASURES

First-Aid Measures

Show this safety data sheet to the doctor in attendance.

Inhalation: May cause allergic respiratory reaction. Remove to fresh air. Avoid direct contact with skin. If breathing has stopped, give artificial respiration. Use barrier to give mouth-to-mouth resuscitation. Seek immediate medical attention/advice.

Eye Contact: Flush eyes with copious amounts of water for at least 15 minutes. Keep eyes open. Do not rub affected area. If irritation continues, contact a physician.

Skin Contact: May cause an allergic skin reaction. Remove contaminated clothing. Wash affected area with water and soap. If irritation continues or an allergic reaction occurs, contact a physician.

Ingestion: May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water to dilute. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-protection of the first aider: Ensure that medical personnel are aware of material(s) involved. Take precautions to protect oneself and prevent spread of contamination. Avoid contact with eyes, or clothing. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Wear personal protective clothing. Remove all sources of ignition.

Most important symptoms and effects (acute/delayed): Itching. Rashes. Hives. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/or wheezing.

Notes to physician: May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable Extinguishing Media

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

Specific hazards arising from the chemical

Product is or contains a sensitizer. May cause sensitization by skin contact. May cause sensitization by inhalation and skin contact. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool exposed tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous Combustion Products

Carbon oxides

Explosion Data

Sensitivity to Mechanical Impact: No
Sensitivity to Static Discharge: Yes

Firefighting procedures

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, protective equipment, and emergency procedures

Avoid contact with eyes, skin, or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Ventilate the area. In confined poorly ventilated areas use of MSHA/NIOSH-approved respiratory protection may be required.

Environmental precautions

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Keep out of drains, sewers, ditches, and waterways.

Methods for cleaning up: Dam up. Soak up with inert, non-combustible absorbent material. Keep in suitable, closed containers for disposal. Dispose of in accordance with local, state, and federal regulations.

7. STORAGE AND HANDLING

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING. Use grounding and bonding connection when transferring this material to prevent static discharge, fire, or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed in a dry, cool, well-ventilated place. Keep in properly labeled containers. Store locked up. Keep out of the reach of children. Keep away from heat, sparks, flame, and other sources of ignition. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products: None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m ³)	N/Av

Appropriate engineering controls

Engineering measures: Showers
Eyewash stations
Ventilation systems (local exhaust fan)

Individual protection measures

Eye/Face Protection: None required for consumer use. In general, the use of safety glasses is recommended. If splashing may occur, the use of splash goggles or face shield is recommended.

Skin/Body Protection: None required for consumer use. Ensure the proper use of uniforms and gloves as well as any GMP and/or factory mandated protective equipment (aprons, gloves, boots, etc.).

Respiratory Protection: In well ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas, the use of NIOSH-approved respiratory protection or evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Appearance:	Clear	Odor:	Unfragranced
Physical State:	Gel	Odor Threshold:	N/A
Color:	Uncolored	Percent Fragrance:	N/A
pH:	N/A	Percent V/V. VOC:	70%
Specific Gravity (25°C):	0.85 - 0.91	VOC:	Ethyl Alcohol CAS # 64-17-5
Viscosity:	N/A		
Water Solubility:	Slightly miscible		
Flash Point:	74F / 23C		
Boiling Point/Range:	N/A		
Evaporation Rate:	N/A		
Flammability:	3		
Flammability Limit in Air	N/A		
Upper flammability limit:	N/A		
Lower flammability limit:	N/A		
Vapor Pressure:	N/A		
Vapor Density:	N/A		
Solubility in other solvents:	N/A		
Partition coefficient: n-octanol/water:	N/A		
Autoignition temperature:	N/A		
Decomposition temperature:	N/A		
Explosive properties:	N/A		
Oxidizing properties:	N/A		

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing and storage.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames, and sparks.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause sensitization of susceptible persons.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Specific test data for the substance or mixture is not available. May cause additional effects as listed under 'Inhalation'.

Information on toxicological effects

Symptoms: Itching. Rashes. Hives. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/or wheezing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization of susceptible persons. May cause sensitization by skin contact or inhalation.
Mutagenic Effects	No information available.
Carcinogenicity	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	Prolonged exposure may cause chronic effects. Repeated contact may cause allergic reactions in very susceptible persons.
Target Organ Effects	Skin. Respiratory system. Eyes.
Aspiration Hazard	No information available.

Numerical measures of toxicity - product information

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations.

US EPA Waste Number D001

14. TRANSPORT INFORMATION

Land (US DOT)	Ground Transport - ORM-D
Air (IATA)	ID-8000, Class 9, Limited Quantity
Water (IMDG/IMO)	UN1266, Class 3, Packaging Group III, Limited Quantity

15. REGULATORY INFORMATION

United States:

Toxic Substances Control Act (TSCA):

Components are for use only in formulating cosmetic products and thus, are exempt from TSCA regulations.

FIFRA Listing of Pesticide Chemicals

(40 CFR 180): Not registered in the US under FIFRA

Superfund Amendments and Reauthorization Act (SARA) Title III:

Hazard Categories Sections 311 / 312 (40 CFR 270.2):

Health None Established

Physical None Established

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:

SARA III Threshold Planning Quantity: None Established

Reportable Quantity (49 CFR 172.101, Appendix):

CERCLA None Established

SARA III Reportable Quantity: None Established

Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components

SARA III De minimis concentration: 1-(3-Chloroallyl)-3,5,7-Triaza-1-Azoniaadamantane Chloride

Clean Air Act Toxic ARP Section 112r:

CAA 112R None Established

Clean Air Act Socmi:

HON SOC

US EPA Hazardous Organic NESHAP (HON) Synthetic Organic Chemicals (40 CFR 63.100-.106, Table 1)

HON SOC

07 1999

Clean Air Act VOC Section 111:

CAA 111

US EPA Clean Air Act (CAA) Section 111 Socmi Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

CAA 111

01 1996

US EPA Clean Air Act (CAA) Section 111 Socmi Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

CAA 111

Clean Air Act Haz, Air Pollutants Section 112

CAA None Established

CAA 112I None Established

CAA AP None Established

State Right-to-Know Regulations Status of Ingredients

New Jersey:

CAS # Component Name

US New Jersey Community Right-to-Know Survey, Table A: NJ Environmental Hazardous Substances List (NJ Admin. Code Title 7 Section 1G-2.1)

NJ RTK

2001

WHMIS Hazard Classification:

WHMIS

Canada. Canadian Environmental Protection Act (CEPA). WHMIS Ingredient Disclosure List (Can. Gaz., Part II, Vol. 122, No. 2)

WHMIS

01 1988

16. OTHER INFORMATION

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not considered 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 materials or in any process, unless specified in the text.