



Safety Data Sheet

Pantero Hand Sanitizer

Section 1 Identification

Trade Name: Pantero Hand Sanitizer **Date Prepared:** 04/02/2020
Product Identification: PAN-HC
Synonyms: **CAS No:** Mixture

Product Use Description:

This product conforms with FDA guidance issued in March 2020 for Temporary Compounding of Certain Alcohol-Based Hand Sanitizer Products for use during the Public Health Emergency and has been manufactured in accordance with 21 CFR 10.115(g)(2). (Non-Sterile Solution)

Details of the supplier of the safety data sheet

Pantero, Inc.
164 Indusco Court **Phone:** (833) 566-8261
Troy, MI 48083 US

Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)
ID#: 112704 (352) 323-3500

Section 2 Hazards Identification

GHS Classification: Flammable Liquid Category 2
Serious Eye Damage/Irritation Category 2

GHS Labels:



Irritant Flammable

Signal Word: Danger

Hazard Statements:

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation

Precautionary Statements:

Prevention

- P210** Keep away from heat, sparks and open flames. No smoking.
- P233** Keep container tightly closed.
- P240** Ground/bond container and receiving equipment.
- P241** Use explosion-proof electrical equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P264** Wash skin thoroughly after handling.
- P280** Wear protective gloves, protective clothing and eye protection and/or face protection.

Response

- P303 + P361 + P353** IF ON SKIN (or hair): Remove Immediately all contaminated clothing. Rinse SKIN with water.
- P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P337 + P313 IF eye irritation persists: Get medical attention.

Storage

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

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC):

None.

Additional Information:

None.

Section 3 Composition

Chemical Name	Common Name/Synonym	CAS #	%
isopropyl alcohol		67-63-0	70 - 75

Section 4 First Aid

General:

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin Contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Eye Contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek medical attention if irritation develops or persists.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms develop.

Most important symptoms and effects both acute and delayed:

No information available.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:

Use alcohol foam, carbon dioxide, dry chemical or water spray. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available.

Specific Hazards Developing From the Chemical:

In fire conditions after water loss, combustion may produce carbon monoxide, carbon dioxide and other unidentified combustion products.

Precautions for Firefighters:

No information available.

Firefighting Instructions:

No information available.

Protection During Firefighting:



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Wear full protective gear and full face pressure demand self-contained breathing apparatus.

Other Information:

No additional information available.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers. Remove or eliminate all sources of ignition.

Methods and material for containment and clean up:

Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage

Precautions for Safe Handling:

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for Safe Storage, including Incompatibilities:

Store in original container. Keep container tightly closed. Store at room temperature (50-90°F) in a dry well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	Data Source	Exposure Form	Exposure Value	Exposure Notes
isopropyl alcohol	OSHA PEL	TWA	400 ppm	8 hr

Appropriate Engineering Controls:

Use explosion proof electrical equipment, non-sparking tools and ground all containers while handling this product.

Individual Protection Measures:

Eye/Face Protection:

Safety glasses or chemical goggles should be worn when handling this material.

Skin Protection:

Hand Protection:

Wear chemical resistant gloves when handling.

Other:

Wear chemical resistant apron when handling.

Respiratory Protection:

Wear respiratory protection while using this material.

General Hygiene Considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Additional Information:

No additional information available.

Section 9 Physical and Chemical Properties

Appearance	Clear Colorless Liquid	Initial boiling point	180°F (82°C)
Odor	Characteristic	Flash point	70°F (21°C) TCC
Odor threshold	30 ppm	Evaporation rate	Not available.
pH	Not available.	Flammability (solid, gas)	Not available.
Melting/freezing point	-126°F (-88°C)	Lower flammability limit	Not available.



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Upper flammability limit	Not available.
Lower explosive limit	Not available.
Upper explosive limit	Not available.
Vapor pressure	6020 Pa @ 68°F (20°C)
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Complete
PC: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	24 cPs
Density	Not available.
Specific gravity	0.78 @ 20°C

Section 10 Stability and Reactivity

Reactivity :	Not reactive under normal use conditions.
Chemical Stability :	Material is stable under normal handling and storage conditions.
Hazardous Reactions :	Hazardous polymerization will not occur under normal handling and storage.
Conditions to Avoid :	Avoid temperatures above 100°F (38°C). Avoid sources of ignition.
Decomposition Products:	No decomposition products are expected under normal storage and handling conditions.
Incompatible Materials:	Avoid contact with oxidizers and strong acids.

Section 11 Toxicological Information

Information on the likely routes of exposure:

Inhalation:

No information available.

Skin Contact:

No information available.

Eye Contact:

This material may be irritating to the eyes.

Ingestion:

No information available.

Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

Delayed and chronic effects:

No information available.

Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
isopropyl alcohol:				
Oral	LD50	Rat	5000 mg/kg	
Dermal	LD50	Rabbit	12,800 mg/kg	
Inhalation	LC50	Rat	45,248 mg/l	1 hr

Toxicological Effects:

Acute Toxicity:

isopropyl alcohol:

No information available.

Skin Corrosion/Irritation:

isopropyl alcohol:

No information available.

Serious Eye Damage/Irritation:

isopropyl alcohol:

No information available.



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Respiratory Sensitization:

isopropyl alcohol:
No information available.

Skin Sensitization:

isopropyl alcohol:
No information available.

Germ Cell Mutagenicity:

isopropyl alcohol:
No information available.

Carcinogenicity:

isopropyl alcohol:
This product is considered to be a potential carcinogen by:
NTP: No
OSHA: No
IARC: No

Reproductive Toxicity:

isopropyl alcohol:
This product is not expected to cause reproductive and developmental effects.

STOT-Single Exposure:

isopropyl alcohol:
No information available.

STOT-Repeated Exposure:

isopropyl alcohol:
No information available.

Aspiration Hazard:

isopropyl alcohol:
This product is not an aspiration hazard.

Additional Information:

None.

Section 12 Ecological Information

Ecotoxicity:

No information available.

Numerical Measures of Ecotoxicity:

Components	Type	Species	Dose	Notes
isopropyl alcohol:				
Fish	LC50	Rasbora heteromorpha	4200 mg/l	96 hr
Invertebrate	EC50	Crangon crangon	1400 mg/l	48 hr

Persistence and Degradability:

isopropyl alcohol:
No information available.

Bioaccumulative Potential:

isopropyl alcohol:
No information available.

Mobility in Soil:

isopropyl alcohol:
No information available.

Other Adverse Effects:

isopropyl alcohol:
No information available.

Additional Information:

No information available.

Section 13 Disposal Considerations

Disposal Instructions:

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

Contaminated Packaging:



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Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Additional Information:

No additional information available.

Section 14 Transport Information

DOT:

UN number: UN1993

UN proper shipping name: UN1993, Flammable liquids, n.o.s. (Isopropyl alcohol(isopropanol)), 3, PGII

Class: 3

Subsidiary risk: none

Label(s): 3

Packing group: II

Packaging exceptions: 150

Section 15 Regulatory Information

Federal Regulations:

SARA 311/312 Hazard Categories:

Immediate (Acute) Health Hazard

SARA 302 Extremely Hazardous Substance:

Not listed.

SARA 304 Emergency Release Notification:

Not regulated.

SARA 311/312 Hazardous Chemical:

No

SARA 313 Toxic Release Inventory (TRI) Report:

Not regulated.

CERCLA Hazardous Substance List:

Not Listed.

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

This chemical is not a pesticide product.

Clean Air Act Regulated Substances:

None.

Clean Water Act Regulated Substances:

None.

U.S. State Regulations:

New Jersey RTK Substances

isopropyl alcohol Listed.

Pennsylvania RTK Substance

isopropyl alcohol Listed.

Canadian Regulations:

Canadian Ingredient Disclosure List Substances:

None listed.

WHMIS Classification:

Not classified.

Section 16 Other Information

HMIS Hazard ID:



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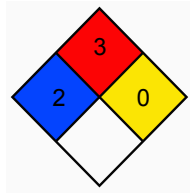
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HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	H

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *-Chronic Health Effect

NFPA Hazard ID:

Flammability:
Health:
Reactivity:
Special Hazard:



Hazard Rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Non-Sterile Solution.

Disclaimer: The Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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