

MATERIAL SAFETY DATA SHEET

Section 1 – Product and Company Information

Product: Isopropyl Alcohol Wipes

Recommended Use: Cleaning and Disinfection

Restrictions: Industrial Use Only (not for medical use)

Company Name: Halsted Health, Inc.

Address: 10755 Scripps Poway Parkway, # 594, San Diego, CA 92131

Contact: info@halstedhealth.com

Emergency Phone Number: 1-800-222-1222

Section 2 – Hazard Identification

Emergency Overview: Can cause eye irritation

CAS#64-17-5

Classification according to GHS

Flammable Liquids (2)

Serious Eye Damage / Eye Irritation (2B)

Carcinogenicity (1A, 1B)

Reproductive Toxicity (1A, 1B)

Specific Target Organ Toxicity, Single Exposure, Respiratory Tract Irritation (3)

Specific Target Organ Toxicity, Single Exposure, Narcotics Effect (3)

Specific Target Organ Toxicity, Repeated Exposure 1 (liver)

Specific Target Organ Toxicity, Repeated Exposure 2 (central nervous system)

Hazard Statements:

H225 Highly flammable liquid and vapour

H320 Causes eye irritation

H350 May cause cancer

H360 May damage fertility or the unborn child

H335 May cause respiratory irritation (respiratory tract irritation, narcotic effects)

H336 May cause drowsiness or dizziness (respiratory tract irritation, narcotic effects)

H372 Cause damage to organs through prolonged or repeated exposure (liver)

H373 May cause damage to organs through prolonged or repeated exposure (central nervous system)

Precautionary Statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep packaging closed properly.

P240 Ground and bond container and receiving equipment

P241 Use explosion proof electrical, ventilating and lighting equipment

P242 Use non-sparking tools

P243 Use caution to prevent static discharges

P280 Wear protective gloves, protective clothing, eye protection, face protection

P264 Wash skin and clothing thoroughly after handling.

P201 Read instructions and Material Safety and Data Sheet before use

P202 Do not use until all safety precautions have been read and understood

P271 Use in outdoors or in a well ventilated area

P260 Do not breathe in gas, mist, vapours or spray

P270 Do not eat, drink or smoke when using this product

Response:

P303 +P361 +P353 IF ON SKIN: Rinse skin thoroughly with water.

P370 + P378 IN CASE OF FIRE: Use the appropriate type of fire extinguisher.

P305 +P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing.

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

P312 Call POISON CENTER or DOCTOR if you feel unwell.

Storage:

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

P403 + P233 Store in a well ventialed place and keep packaing tightly closed.

P405 Store locked up.

Disposal:

P501 Send contents to approved waste treatment plants.

Other Hazards:

Physical and Chemical Hazards: See Section 7.

Human Health Hazards: See Section 9.

Enviromental Hazards: See section 10.

Response:

P303 + P361 + P353 If on skin (or hair): Im mediately take off all containa t e d clothing.

P370 + P378 In case of fire, use the appropriate type of fire extinguisher.

Section 3 – Composition / Information on Ingredients

CAS #	Chemical Name	Weight (%)
67-63-0	Isopropyl Alcohol (IPA)	99.70%

Section 4 – First Aid Measures

General information: Normal use does not require special measures, industrial production in the long term, refer to the following:

- **After eye contact:** Wash eyes with water.
- **After skin contact:** Wash with water and soap.
- **After inhalation:** Remove person to fresh area.
- **After swallowing:** Do not induce vomiting. Get medical attention.

Personal protective equipment for first aid responders: No data available.

Most important symptoms / effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: No data available.

Section 5 – Fire Fighting Measures

Response: Use dry chemical, carbon dioxide, water fog, or chemical foam to extinguish. Use water spray to cool containers.

Specific Hazards: Vapors may accumulate in low-lying areas. Vapors may travel and ignite at an ignition source, which can cause a flash or an explosion.

Combustion Products Produces carbon oxides (CO, CO₂).

Fire-Fighter Wear self-contained breathing apparatus and full fire-fighting equipment and gear.

Section 6 – Accident Release Measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Use proper personal protective equipment as indicated in Section 8. Keep appropriate ventilation.

Protective equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Emergency procedures: CALL EMERGENCY RESPONSE or POISON CONTROL. As an immediate precautionary measure, isolate spill, or leak area for at least 25m in all directions. Keep unauthorized personnel away. Stay upwind and keep out of low areas. Review Sections 5 and 7 before proceeding with clean up.

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for containment and cleaning up:

For all waste handling, please refer to local regulations.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 – Handling and Storage

Precautions for Handling: Ensure good ventilation. Handle and open container with care. Keep away from incompatible substances (see section 10), any sources of ignition or heat e.g open flames, hot surfaces, foodstuffs, beverages and foods. Avoid contact with eyes and skin.

The work area should be equipped with firefighting equipment and emergency equipment.

Conditions for safe storage, including any incompatibilities:

Fireproof. Separated from strong oxidants. Moisture absorption. Keep container tightly sealed.

Section 8 – Exposure Controls / Personal Protection**Control Parameters:**

Chemical Name	Organization	Long-Term Exposure Limits (PEL)	Short-Term Exposure Limits (STEL)
Isopropyl Alcohol	ACGIH	200 ppm	400 ppm
	OSHA PEL	400 ppm	Not Established

Engineering Control:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and food.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Personal Protective Equipment

Respiratory protection: Wear suitable protective mask to reduce the respiratory system. Wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to avoid skin contact.

Eye Protection: Wear safety goggles or eye protection along with respiratory protection.

Skin and Body Protection: Safe working environment required. Wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Color: Colorless

Physical State: Liquid in solid mixture

Odor: Alcohol like

Odor Threshold: Not available

ph: Not available

Melting point/freezing point: Not available

Initial boiling point and boiling range: >35°C (liquid)

Flash Point: 18.0°C (Closedcup) (liquid)

Evaporation rate: Not available

Flammability (solid, gas): Not available.

Explosion Limits (vol% in air): Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Solubility(ies): soluble in water

Partition coefficient: Not available.

n-octanol/water: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

Section 10 – Stability and Reactivity

Chemical Stability: Stable.

Possibility of hazardous reaction: HIGHLY FLAMMABLE. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mix.

Conditions to Avoid: Heat, sparks or flames.

Incompatibilities Materials: No data available.

Hazardous Decomposition Products: Carbon Oxide.

Section 11 – Toxicological Information

Acute Toxicity:

CAS No:	LC50 / LD50
64-17-5	LD50 Rat (oral): 9.9g /kg
56-81-5	LD50 Rat (oral): 5.57g /kg
7732-18-5	No data available

Skin Corrosion / Irritation: No data available.

Serious Eye Damage / Irritation: No data available.

Respiratory or Skin sensitization: No data available.

Germ Cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-Single exposure: No data available.

Specific target organ toxicity-Repeated exposure: No data available.

Aspiration hazard: No data available.

Information on the likely routes of exposure: No data available.

Eye: No data available.

Skin: No data available.

Ingestion: No data available.

Inhalation: No data available.

Section 12 – Ecological Information

CAS# 64-17-5

Ecological Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative Potential: Bioconcentration in aquatic organisms is low.

Mobility in Soil: Expected to have high mobility in soil.

Other Adverse Effects: No data available.

CAS# 56-81-5

Ecological Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative Potential: Bioconcentration in aquatic organisms is low.

Mobility in Soil: Expected to have high mobility in soil.

Other Adverse Effects: No data available.

Section 13 – Disposal Considerations

Waste Treatment Recommendations: Consult and follow local and state regulations to ensure proper disposal.

Uncleaned Packaging Recommendations: Consult and follow local and state regulations to ensure proper disposal.

Section 14 – Transport Information

UN Number	
IATA	UN3175
IMDG	UN3175
UN Proper Shipping Name	
IATA	Solids containing flammable liquid, n.o.s. (Alcohol)
IMDG	Solids containing flammable liquid, n.o.s. (Alcohol)
Transport Hazard Class(es)	
IATA	4.1
IMDG	4.1
Packing Group	
IATA	II
IMDG	II
Packaging Sign	
IATA	
IMDG	
Environmental Hazards	
Marine Pollutant:	No
Special Precautions for User:	No information available

Transport: By air, ground, sea.

Section 15 – Regulatory Information

CAA: This product does not contain any class 1 ozone depleting substances, it does not contain any class 2 ozone depleting substances and it does not contain substances that are listed as hazardous air pollutants.

EPCRA: This product contains up to $\geq 99.7\%$ Isopropyl Alcohol (CAS # 67-63-0).

TSCA: All substances are TSCA listed.

California Proposition 65: This product does not contain any of the listed substances.

Section 16 – Other Information

Issue Date: 2020-03-27

Issue Department: Technical
department

Modification record: N/A

Notice to reader:

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