

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Instant Hand Sanitizing Wipes
MFR #: 16-3500

DISTRIBUTED BY: McKesson Medical-Surgical Inc.
9954 Mayland Drive, Suite 4000
Richmond, VA 23233

INFORMATION LINE: 1-800-777-4908 Monday – Friday 8:00 a.m. – 6:00 p.m. EST

EMERGENCY PHONE: 1-800-451-8346 (3E Company) Day or Night

SECTION 2: HAZARDOUS INGREDIENTS

Physical hazards	Flammable solids	Category 1
Health hazards	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Not determined	
OSHA defined hazards	None additional	

Label elements



Signal word	Danger
Hazard statement	Flammable solid. Causes serious eye irritation.
Precautionary statement	
Prevention	Keep away from fire or flame. Keep container closed.
Response lenses, if present and	If in eyes: Rinse cautiously with water for several minutes. Remove contact easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

SECTION 3: COMPOSITION

Chemical Name	CAS No	Percent%	GHS Classification
Ethyl Alcohol	64-17-5	70	Flam. Liq. Category 2 (H225)
Non-Hazardous Ingredients	Proprietary	30	Not applicable

Composition comments: The exact % concentration of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA HCS 1910.1200. All concentrations are expressed as % volume.

SECTION 4: FIRST AID MEASURES

Inhalation	If inhaled for a prolonged period of time, remove person to fresh air and keep comfortable for breathing.
Skin contact	Discontinue use if irritation and redness develop. If condition persists for more than 72 hours, consult a physician.
Eye contact	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If swallowed, get medical help or contact a Poison Control Center immediately.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling of the eyes, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Indication of immediate medical attention and special treatment needed	Treat patient symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible). Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes. Keep away from sources of ignition. No smoking. Keep out of reach of children.

SECTION 5: FIRE & EXPLOSION HAZARD DATA

Suitable extinguishing media	Dry chemical. Carbon dioxide. Foam.
Unsuitable extinguishing media	Do not use water jet.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.
Special protective equipment	Firefighters should wear full protective clothing including self-contained breathing apparatus. and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable solid.



Hazardous combustion products May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear appropriate protective equipment and clothing during clean-up. Avoid contact with eyes. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering waterways. Contact emergency services and supplier for advice.

Large Spills: Following product recovery, flush area with water. Wipe or mop up liquid, if any,

Environmental precautions Do not discharge into waterways

SECTION 7: HANDLING & STORAGE

Precautions for safe handling **WARNING**
Flammable, keep away from fire or flame.
Do not use in contact with eyes.
For external use only.

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.
Avoid prolonged exposure.
Keep container closed.
Use according to package label instructions.

Conditions for safe storage, including any incompatibilities Store in a cool, dry place out of direct sunlight.
Store in a closed container away from incompatible materials.
Store in a well-ventilated place.
Keep away from heat, open flames or other sources of ignition.
Store away from incompatible materials (see Section 10 of the SDS). Keep this out of reach of children unless under adult supervision.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl Alcohol (CAS 64-17-5)	PEL	1900 mg/m ³ 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
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Ethyl Alcohol (CAS 64-17-5)

TWA

1900 mg/m³
1000 ppm

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	See above
Appropriate engineering controls	General ventilation normally adequate. Provide eyewash station.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear gear as deemed necessary. Follow label directions.
Skin protection	
Hand protection	Not required.
Other	As required by employer code. Follow label directions carefully.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA).
Thermal hazards	Not applicable.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not smoke.

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Liquid saturated on wipe
Physical state	Solid
Form	Liquid saturated on wipe
Color	Colorless
Odor	Alcohol
Odor threshold	Not available
pH	3.5~8.5
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Pour point	Not available
Specific gravity	Not available
Partition coefficient (n-octanol/water)	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available

Upper/lower flammability or explosive limits:

Flammability limit – lower (%)	Not available
Flammability limit – upper (%)	Not available
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

Other information

Flash point class	Combustible II
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SECTION 10: STABILITY AND REACTIVITY

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Strong oxidizing agents. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
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Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful. May cause irritation to the respiratory system. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	Non-irritating based on test data.
Eye contact	May be irritating to eyes.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling of the eyes, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity

Narcotic effects. May cause respiratory irritation.

Toxicity data in this section is based on individual component information and not based on the finished product.

Components	Species	Test Results
Ethyl Alcohol (CAS 64-17-5)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	31623 ppm, 4 Hours 20000 ppm, 10hours

Components	Species	Test Results
<i>Oral</i>		
LD50	Dog	5500 mg/kg
	Guinea pig	5600 mg/kg
	Mouse	3450 mg/kg
	Rat	7060 mg/kg

Skin corrosion/irritation Non-irritating based on test data.

Exposure minutes Not available

Erythema value Not available

Oedema value Not available

Serious eye damage/eye irritation May cause irritation.

Corneal opacity value Not available

Iris lesion value Not available

Conjunctival reddening value Not available

Conjunctival oedema value Not available

Recover days Not available

Respiratory or skin sensitization

Respiratory sensitization Not classified

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity The finished product is not expected to have chronic health effects.

Mutagenicity The finished product is not expected to have chronic health effects.

Carcinogenicity The finished product is not expected to have chronic health effects.

Reproductive toxicity	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	The finished product is not expected to have chronic health effects.
Further information	Not available
Name of Toxicologically Synergistic Products	Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Components	See below	Species	Test Results
Ethyl Alcohol (CAS 64-17-5)			
Crusta	EC50		Daphnia
Aquatic			
Crustacea		EC 50 Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish		LC50 Fathead minnow(Pimephales promelas))	> 100 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Mobility in general	Not available.		
Other adverse effects	Not available.		

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	Review federal, state/provincial, and local government requirements prior to disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	See above
Hazardous waste code	Not assigned.
Waste from residues/ Unused products	Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

Basic shipping requirements:

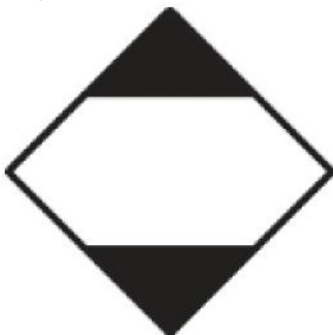
UN number	UN3175
Proper shipping name	Solids containing flammable liquid, n.o.s. (Alcohol)
Hazard class	4.1
Packing group	II
Packaging exceptions	< 1 kg – limited quantity (par. 173.151) Note: Individually wrapped packet product is exempted from DOT regulation per Special Provision 47.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN3175
Proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl Alcohol)
Hazard class	4.1
Packing group	II
Packaging exceptions	<1Kg-Limited Quantity

DOT; TDG



SECTION 15: REGULATORY INFORMATION

US federal regulations This product contains a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.



US CAA Section 111 Volatile Organic Compounds: Listed substance

Alcohol (CAS 64-17-5) Listed.
Propylene glycol (CAS 57-55-6) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard – No
Reactivity Hazard – No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations Safe Drinking Water Act (SDWA): Not regulated.

Food and Drug Administration (FDA): Regulated as a monograph drug product.

US - California Hazardous Substances (Director's): Listed substance

Ethyl Alcohol (CAS 64-17-5) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - Illinois Chemical Safety Act: Listed substance

Ethyl Alcohol (CAS 64-17-5) Listed.

US - Louisiana Spill Reporting: Listed substance

Ethyl Alcohol (CAS 64-17-5) Listed.

US. Massachusetts RTK - Substance List

Ethyl Alcohol (CAS 64-17-5) Listed.

US. Rhode Island RTK

Not regulated.

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Ethyl Alcohol (CAS 64-17-5) 1 TONNES

SECTION 16: OTHER INFORMATION

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/	1
FLAMMABILITY		
PHYSICAL HAZARD	0	
PERSONAL PROTECTION		



Issue date	01-September-2017
Effective date	01-September-2017
Expiry date	01-September-2020
Other information	This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

DISCLAIMER: This information relates onto to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use. Appropriate warnings and safe-handling procedures should be provided to handlers and users.