

MATERIAL SAFETY DATA SHEET

PRODUCT: Leader Hygienic Alcohol Wipe

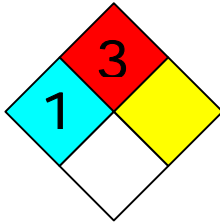
Issue Date: 4 February 2009

Revision Date: 16 August 2011

Revision Number: 02

Ratings relate to the solution with which the towelettes are treated only, and in industrial quantities. The towelettes are consumer quantities below MSDS reporting thresholds.

NFPA



HMIS

Health Hazard	1
Fire Hazard	3
Reactivity	0

PPE



Transport Symbol

1. PRODUCT AND COMPANY IDENTIFICATION

NOTE: This MSDS relates to the solution with which the towelettes are treated, and not with the towelette as a whole. Total solution per towelette is 1.8 ml to 2.0 ml per towelette. These are consumer quantities below MSDS reporting thresholds.

Product Name: Leader Hygienic Alcohol Wipe

Product Number(s): 32

Recommended Use: Personal Protective Equipment Cleaner. Respirator Cleaner

Supplier Information:

Hilco
33 West Bacon Street, Plainville, Massachusetts, 02762 USA
Phone: 1-508-699-4406
Fax: 1-508-699-4579
Contact:
Contact Phone:
Emergency Phone: Call INFOTRAK - 1-800-535-5053

2. HAZARDS IDENTIFICATION

Potential Health Effects

Principal Routes of Exposure Skin contact.

Acute Toxicity

Eyes

Vapor may cause irritation.

Skin

May cause mild irritation.

Inhalation

Avoid breathing vapors or mists. May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting and incoordination.

Ingestion

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

May cause skin effects

Aggravated Medical Conditions

Chronic exposure may aggravate pre-existing skin conditions, or impaired liver, kidney, or pulmonary function

Environmental Hazards

See section 12

3. INGREDIENTS

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Chemical Name	CAS No.	% by Weight
Water	7732-18-5	40 - 70
Isopropyl Alcohol	67-63-0	30 - 60

4. FIRST AID MEASURES

Eye Contact	Rinse Immediately with plenty of clean water, also under eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash with soap and water. If irritation persists, or allergic reaction occurs, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Ingestion	Drink large amounts of water. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to Physicians	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties	Flammable material.
Flash Point	54° F
Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Uniform Fire Code	Not available
Hazardous Byproducts of Combustion	Carbon oxides
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Yes
Protective Equipment	Wear self contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.
Special Precautions	
NFPA	Health Hazard: 1 Flammability: 3 Stability: 0 Physical & Chemical Hazards:

6. ACCIDENTAL RELEASE & SPILL MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with skin and eyes. Remove all sources of ignition.
Containment Methods	Extinguish all sources of ignition, and ventilate area. Prevent further leakage or spillage if safe to do so.
Clean-up Methods	Use personal protective equipment. Soak up with absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

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Handling Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and clothing. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children.

Storage Keep container tightly closed. Keep away from open flames. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol	+ 400 ppm STEL TWA: 200 ppm	TWA:400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 1225 mg/m ³ (vacated) STEL: 500 ppm	IDLH: 2000 ppm 10% LEL TWA:400 ppm TWA: 980 mg/m ³ STEL: 1225 mg/m ³ STEL: 500 ppm

Engineering Measures Showers. Eyewash Stations. Ventilation Systems

Personal Protective Equipment

Eye & Face Protection No special equipment required in normal use.
Skin & Body Protection None under normal use conditions. Protective gloves
Respiratory Protection If exposure limits are exceeded or irritation is experienced. NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceWhite solid
OdorMild alcohol scent
Odor Threshold.....no information available
Physical StateSolid. Solid containing liquid. Moist paper.
pHno information available
Flash Point54° F
Auto-ignition Temperature.....no information available
Decomposition Temperatureno information available
Boiling Pointno information available
Melting Pointno information available
Flammability Limits in Airno information available
Explosion Limitsno information available
Water Solubility.....no information available
Solubilityno information available
Evaporation Rateno information available
Vapor Pressureno information available
Vapor Density.....no information available
Specific Gravity (@20°C).....no information available
VOC Contentno information available

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

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Incompatible Products Strong oxidizing agents. Acids. Avoid contact with Aluminum, Zinc and other reactive metals

Conditions to Avoid Heat. Flames. Sparks

Hazardous Byproducts of Decomposition Carbon Oxides

Hazardous Reactions Hazardous polymerization does not occur

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information May be harmful by inhalation, ingestion or skin absorption

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Water	90 mL/kg (Rat)		
Isopropyl Alcohol	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4h

Chronic Toxicity

Chronic Toxicity May cause skin effects.

Carcinogenicity Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated. Ecotoxicity effects of component substances follows:

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl Alcohol	EC50 > 1000mg/L 72h EC50 > 1000mg/L 96h	LC50=61200 mg/L Pimephales promelas 96h LC50=94900 mg/L Pimephales promelas 96h LC50=9640 mg/L Pimephales promelas 96h	EC50 > 35390 mg/L 5 min.	EC50 = 13299 mg/L 48h

Chemical Name	Log Pow
Isopropyl Alcohol	=0.05 25A°C

13. WASTE DISPOSAL

Waste Disposal Methods This material as supplied is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Materials Dispose of in accordance with local regulations.

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This Product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Isopropyl Alcohol				X

Clean Air Act, Sec. 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPs) under Sec. 112 of the Clean Air Act.

CERCLA

This material as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	MA	NJ	PA	IL	RI

International Regulations

Mexico – Grade

Moderate risk – Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Isopropyl Alcohol		Mexico: TWA=26ppm Mexico: TWA=120 mg/m ³ Mexico: STEL=360 mg/m ³ Mexico: STEL=75ppm
Supplier Trade Secret		Mexico: TWA=400ppm Mexico: TWA=980 mg/m ³ Mexico: STEL=1225 mg/m ³ Mexico: STEL=500ppm

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.

WHMIS Hazard Class

B2 Flammable Liquid (solution only)

D2B Toxic materials



Chemical Name	National Pollutant Release Inventory
Isopropyl Alcohol	X

16. OTHER INFORMATION

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Date of Issue 4 February 2009

Revision date (R1) 16 August 2011

Revision Note

Hazards and Emergency Overview

Combustible material.
Irritating to eyes.
Vapors may be irritating to eyes, nose, throat and lungs.
May cause central nervous system depression.
May cause adverse effects on the bone marrow and blood forming system
May cause adverse kidney effects.
May cause adverse liver effects

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, release and disposal, and is not to be considered as a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text of this MSDS.

* * * **END OF MATERIAL SAFETY DATA SHEET** * * *