



Hygenall[®] LeadOff[™] Brand Cleaning and Decontamination Wipes, All Scents

Safety Data Sheet

SECTION 1: Identification

1.1. Product identifier

Product name : Hygenall[®] LeadOff[™] Brand Cleaning and Decontamination Wipes, All Scents

1.2. Recommended use and restrictions on use

Cleaning dirt, grease and heavy metal dust off skin

1.3. Supplier

Hygenall Corporation
6275 University Drive, Suite 37-390
Huntsville, AL 35806

1.4. Emergency telephone number

Emergency number : 866-750-0906

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CAN/GHS-US)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS-CAN/GHS-US Labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-CA)
Ethyl alcohol	(CAS No) 64-17-5	<20	Not classified
Proprietary Component	(CAS No) Trade Secret	Trade Secret	Not classified
Citric acid	(CAS No) 77-92-9	<1	Not classified

Full text of H-phrases: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : None necessary as inhalation exposure unlikely due to physical form.

First-aid measures after skin contact : If irritation occurs, wash skin thoroughly with mild soap and room temperature running water. Remove contaminated clothing. Seek immediate medical attention if irritation continues.

First-aid measures after eye contact : Immediately flush eyes with large amounts of temperate water for a minimum of 15 minutes. Consult an ophthalmologist for a more detailed medical evaluation.

First-aid measures after ingestion : Not expected to be a significant route of exposure based on expected use. If ingestion occurs, seek immediate medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation : None anticipated under normal product use conditions.

Symptoms/injuries after skin contact : May cause irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : None anticipated under normal product use conditions.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : None known.

5.3. Specific hazards arising from the hazardous product

Fire hazard : None known.

Explosion hazard : None known.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment : No special measures required.

Methods for cleaning up : Avoid contact with eyes. Clean up spilled liquid from container with inert absorbent material and place in an appropriate waste disposal container. Pick up wipes and place in dry trash. Discard empty canister in trash or rinse and recycle as appropriate.

6.3. Reference to other sections

See Heading 8: Exposure controls and personal protection

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Do not eat, drink, or smoke while handling this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a tightly closed container in a dry secure area inaccessible to children. and protect from heating and freezing. KEEP OUT OF REACH OF CHILDREN.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)		
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Canada (Quebec)	VEMP (mg/m ³)	1880 mg/m ³
Canada (Quebec)	VEMP (ppm)	1000 ppm
Alberta	OEL TWA (mg/m ³)	1880 mg/m ³
Alberta	OEL TWA (ppm)	1000 ppm
British Columbia	OEL STEL (ppm)	1000 ppm
Manitoba	OEL STEL (ppm)	1000 ppm
New Brunswick	OEL TWA (mg/m ³)	1880 mg/m ³
New Brunswick	OEL TWA (ppm)	1000 ppm
New Foundland & Labrador	OEL STEL (ppm)	1000 ppm
Nova Scotia	OEL STEL (ppm)	1000 ppm
Nunavut	OEL STEL (mg/m ³)	2355 mg/m ³
Nunavut	OEL STEL (ppm)	1250 ppm
Nunavut	OEL TWA (mg/m ³)	1884 mg/m ³
Nunavut	OEL TWA (ppm)	1000 ppm
Northwest Territories	OEL STEL (ppm)	1250 ppm
Northwest Territories	OEL TWA (ppm)	1000 ppm
Ontario	OEL STEL (ppm)	1000 ppm
Prince Edward Island	OEL STEL (ppm)	1000 ppm

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Ethyl alcohol (64-17-5)		
Québec	VEMP (mg/m ³)	1880 mg/m ³
Québec	VEMP (ppm)	1000 ppm
Saskatchewan	OEL STEL (ppm)	1250 ppm
Saskatchewan	OEL TWA (ppm)	1000 ppm
Yukon	OEL STEL (mg/m ³)	1900 mg/m ³
Yukon	OEL STEL (ppm)	1000 ppm
Yukon	OEL TWA (mg/m ³)	1900 mg/m ³
Yukon	OEL TWA (ppm)	1000 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : None required under normal product handling conditions.

8.3. Individual protection measures/Personal protective equipment

Hand protection : None required under normal product handling conditions.

Eye protection : None required under normal product handling conditions.

Skin and body protection : Wear suitable working clothes.

Respiratory protection : None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Non-woven cloth wipe with applied aqueous solution.
Odor	: Varies
Odor threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative vapor density at 20 °C	: No data available
Relative density of saturated gas/air mixture	: No data available
Specific gravity / density	: Approx. 1.0 (liquid expressed from wipe)
Relative gas density	: No data available
Solubility	: Soluble (liquid expressed from wipe)
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
LEL	: No data available
UEL	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Chemical stability	: The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	: Will not occur.

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Conditions to avoid	: Avoid contact with incompatible materials and extreme temperatures.
Incompatible materials	: Oxidizing agents, reducing agents, metals, alkalis.
Hazardous decomposition products	: Oxides of carbon and nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Citric acid (77-92-9)	
LD50 oral rat	3 g/kg
Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Citric acid (77-92-9)	
LC50 fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Ethyl alcohol (64-17-5)	
LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Citric acid (77-92-9)	
Log Pow	-1.72 (at 20 °C)
Ethyl alcohol (64-17-5)	
Log Pow	-0.32

12.4. Mobility in soil

Citric acid (77-92-9)	
Log Pow	-1.72 (at 20 °C)
Ethyl alcohol (64-17-5)	
Log Pow	-0.32

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG/US DOT

TDG

Not regulated for transport

DOT

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

Citric acid (77-92-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethyl alcohol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Citric acid (77-92-9)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class E - Corrosive Material

Propanoic acid, 2-hydroxy-, compound with N-[3-(4-morpholinyl)propyl]isooctadecanamide (1:1) (72300-24-4)

Listed on the Canadian DSL (Domestic Substances List)

Ethyl alcohol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

National regulations

Citric acid (77-92-9)

Listed on the Canadian IDL (Ingredient Disclosure List)

Ethyl alcohol (64-17-5)

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

Ethyl alcohol (64-17-5)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	No	No	

Ethyl alcohol (64-17-5)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

None

The information and recommendations set forth in the Safety Data Sheet are presented in good faith and believed to be correct as of this date hereof.

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