



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

Safety Data Sheet

SECTION 1: Identification

1.1. Product identifier

Product name : Hygenall[®] HexOff[™] Brand Cleaning and Decontamination Wipes

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 | <8 | 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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