

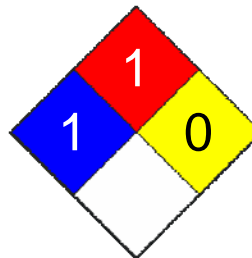
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Anti-Bacterial Wipes
Synonym(s) DABHJ
DHW
CAS # Mixture
Product use Moisturized wipes
Manufacturer Falcon Safety Products, Inc.
25 Imclone Drive
Branchburg, NJ 08876 US
Phone: 1-908-707-4900

| LEGEND HMIS/NFPA | |
|---------------------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| Health | / 1 |
| Flammability | 1 |
| Physical Hazard | 0 |
| Personal Protection | |



2. Hazards Identification

Emergency overview

CAUTION
Contains combustible liquid.
Contact may cause eye irritation.

Potential short term health effects

Routes of exposure

Eye. Skin contact.

Eyes

May cause irritation.

Skin

Non-irritating to the skin. In case of skin irritation, discontinue use of the product.

Inhalation

Not a normal route of exposure.

Ingestion

Not a normal route of exposure.

Target organs

Eyes.

Chronic effects

None known.

Signs and symptoms

Eye irritation

3. Composition / Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|---------------|---------|---------|
| Ethanol | 64-17-5 | 10 - 30 |

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.

Skin contact

Flush with water. In case of skin irritation, discontinue use of product. Obtain medical attention if irritation persists.

Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion

Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

General advice

If you feel unwell, seek medical advice (show the label where possible). 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.

5. Fire Fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable per ICAO Test Method 1.1.2.1 |
| Extinguishing media | |
| Suitable extinguishing media | Dry chemical. Carbon dioxide. Alcohol foam. |
| Unsuitable extinguishing media | Not available |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Not available |
| Protective equipment for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| 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 |

6. Accidental Release Measures

| | |
|-------------------------|--|
| Personal precautions | Avoid contact with eyes. |
| Methods for containment | Prevent entry into waterways, sewers, basements or confined areas. |
| Methods for cleaning up | Remove sources of ignition. 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 sewers or waterways. Contact emergency services and supplier for advice. |

7. Handling and Storage

| | |
|----------|---|
| Handling | Use good industrial hygiene practices in handling this material. Avoid contact with eyes and clothing. |
| Storage | Store in a closed container away from incompatible materials. Keep from freezing. Keep away from heat and sources of ignition. Keep out of reach of children. |

8. Exposure Controls / Personal Protection

| | |
|--------------------------------|---|
| Exposure limits | |
| Ingredient(s) | Exposure Limits |
| Ethanol | ACGIH-TLV TWA: 1000 ppm STEL: 1000 ppm OSHA-PEL TWA: 1000 ppm |
| Engineering controls | General ventilation normally adequate. |
| Personal protective equipment | |
| Eye / face protection | Safety glasses if eye contact is possible. |
| Hand protection | Not normally required. |
| Skin and body protection | As required by employer code. |
| Respiratory protection | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

| | |
|------------|--------------------------|
| Appearance | Liquid saturated on wipe |
| Color | White |
| Form | Pre-moistened towelette. |
| Odor | Citrus and Alcohol |

| | |
|--|---------------------------------------|
| Odor threshold | Not available |
| Physical state | Solid |
| pH | 3.5 - 4.5 |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Pour point | Not available |
| Evaporation rate | Not available |
| Flash point | 104 °F (40.00 °C) (liquid) Closed Cup |
| Auto-ignition temperature | Not available |
| Flammability limits in air, lower, % by volume | Not applicable |
| Flammability limits in air, upper, % by volume | Not applicable |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 0.975-0.985 (liquid) |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Liquid soluble in water |
| Percent volatile | Not available |

10. Stability and Reactivity

| | |
|------------------------------------|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Heat, flames and sparks. Do not mix with other chemicals. |
| Incompatible materials | Oxidizers. Anionic surfactants. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

Component analysis - LC50

| Ingredient(s) | LC50 |
|---------------|---------------|
| Ethanol | 31623 ppm rat |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|---------------|----------------------------------|
| Ethanol | 3450 mg/kg mouse; 7060 mg/kg rat |

Effects of acute exposure

| | |
|-----------------|---|
| Eye | May cause irritation. |
| Skin | Non-irritating to the skin. In case of skin irritation, discontinue use of the product. |
| Inhalation | Not a normal route of exposure. |
| Ingestion | Not a normal route of exposure. |
| Sensitization | Non-hazardous by WHMIS/OSHA criteria. |
| Chronic effects | Non-hazardous by WHMIS/OSHA criteria. |
| Carcinogenicity | Non-hazardous by WHMIS/OSHA criteria. |

ACGIH - Threshold Limit Values - Carcinogens

| | | |
|---------|---------|---|
| Ethanol | 64-17-5 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans |
|---------|---------|---|

IARC - Group 1 (Carcinogenic to Humans)

| | | |
|---------|---------|--|
| Ethanol | 64-17-5 | Monograph 96 [in preparation] (in alcoholic beverages) |
|---------|---------|--|

| | |
|-----------------------|---------------------------------------|
| Mutagenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Reproductive effects | Non-hazardous by WHMIS/OSHA criteria. |
| Teratogenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Synergistic Materials | Not available |

12. Ecological Information

| | | |
|---|---|--|
| Ecotoxicity | Components of this product have been identified as having potential environmental concerns. | |
| Ecotoxicity - Freshwater Fish - Acute Toxicity Data | | |
| Ethanol | 64-17-5 | 96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 ml/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400-15100 mg/L [flow-through] |
| Ecotoxicity - Water Flea - Acute Toxicity Data | | |
| Ethanol | 64-17-5 | 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static] |
| Environmental effects | Not available | |
| Aquatic toxicity | Not available | |
| Persistence / degradability | Not available | |
| Bioaccumulation / accumulation | Not available | |
| Partition coefficient | Not available | |
| Mobility in environmental media | Not available | |
| Chemical fate information | Not available | |
| Other adverse effects | Not available | |

13. Disposal Considerations

| | |
|--|--|
| Waste codes | Not available |
| Disposal instructions | Review federal, state/provincial, and local government requirements prior to disposal. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

| | |
|---|-----------------------------------|
| U.S. Department of Transportation (DOT) | Not regulated as dangerous goods. |
| Transportation of Dangerous Goods (TDG - Canada) | Not regulated as dangerous goods. |
| IATA/ICAO (Air) | Not regulated as dangerous goods. |
| IMDG (Marine Transport) | Not regulated as dangerous goods. |

15. Regulatory Information

| | | |
|--|---|-------|
| Canadian federal regulations | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. | |
| Canada - WHMIS - Ingredient Disclosure List | | |
| Ethanol | 64-17-5 | 0.1 % |
| US Federal regulations | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. | |
| Occupational Safety and Health Administration (OSHA) | | |
| 29 CFR 1910.1200 hazardous chemical | Yes | |
| CERCLA (Superfund) reportable quantity | | |
| Ethanol, 2,2"-iminobis- | 100.0000 | |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | | |
| Hazard categories | Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No | |

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

Clean Air Act (CAA)

Not available

Clean Water Act (CWA)

Not available

WHMIS status

Controlled

WHMIS classification

Class D - Division 2B

WHMIS labeling



State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Ethanol 64-17-5 Present (refers to solutions greater than or equal to 25% which are not beverage alcohols)

U.S. - California - Proposition 65 - Developmental Toxicity

Ethanol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

U.S. - Massachusetts - Right To Know List

Ethanol 64-17-5 Teratogen

U.S. - Minnesota - Hazardous Substance List

Ethanol 64-17-5 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol 64-17-5 sn 0844

U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol 64-17-5 Present

U.S. - Rhode Island - Hazardous Substance List

Ethanol 64-17-5 Toxic; Flammable

Inventory name

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

