

BioHatch™

SAFETY DATA SHEET

Preparation Date: 31-Jul-2008

Revision Date: 28-May-2021

Revision Number: 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name BioHatch™

Other means of identification

Item#: 4235

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use No rinse quat sanitizer, Restricted to professional users

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Cleaning Solutions
11100 N. Congress Ave.
Kansas City, MO 64153
Tel: 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|---------------------------|
| Skin Corrosion/Irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |
| Corrosive to metals | Category 1 |

Label Elements

Emergency Overview

DANGER

Hazard Statements

Causes severe skin burns and eye damage
May be corrosive to metals



Appearance Clear Colorless

Physical state Liquid

Odor No information available

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|----------------------------------|-----------|----------|
| Didecyldimethylammonium chloride | 7173-51-5 | 7.5 |

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

| | |
|---------------------|--|
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately. |
| Skin contact | Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. |
| Inhalation | Move to fresh air. Get medical attention immediately if symptoms occur. |
| Ingestion | Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects, both acute and delayed

Causes severe irritation of eyes, skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

No information available.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health hazards** 2 **Flammability** 0 **Instability** 1

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Avoid contact with the skin and the eyes.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Soak up with inert absorbent material.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Incompatible Materials strong oxidizing agents, strong acids, strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|---|--------------------------|-------------------------------|--------------------------|
| Physical state | Liquid | Odor | No information available |
| Appearance | Clear Colorless | Odor Threshold | No information available |
| <u>Property</u> | <u>Values</u> | <u>Remarks/ Method</u> | |
| pH | 6 - 8 | | |
| Melting point/freezing point | No information available | | |
| Boiling Point/Range | No information available | | |
| Flash Point | No information available | | |
| Evaporation rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability Limit in Air | | | |
| Upper flammability limit | No information available | | |
| Lower flammability limit | No information available | | |
| Vapor Pressure | No information available | | |
| Vapor Density | No information available | | |
| Specific Gravity | 0.99 | | |
| Water Solubility | soluble | | |
| Partition coefficient: n-octanol/water | No information available | | |
| Autoignition Temperature | No information available | | |
| Decomposition temperature | No information available | | |
| Viscosity of Product | No information available | | |
| Dynamic viscosity | No information available | | |
| <u>Other information</u> | | | |
| Liquid Density | 8.2 lb/gal | | |

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

strong oxidizing agents, strong acids, strong bases

Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure Eye contact, Skin contact, Ingestion

Information on likely routes of exposure

Eyes Causes severe eye irritation. Risk of serious damage to eyes.
Skin Contact causes severe skin irritation and possible burns.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Product is not identified as a sensitizer according to OSHA regulations.
Mutagenic effects Product is not identified as a mutagen according to OSHA regulations.
Carcinogenicity Product is not identified as a carcinogen according to OSHA regulations.

Reproductive Effects Product is not identified as having reproductive effects according to OSHA regulations.
STOT - single exposure Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.
STOT - repeated exposure Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.
Aspiration Hazard Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|-------------------|-------------------|-------------------|
| Didecyldimethylammonium chloride 7173-51-5 | 238 mg/kg (Rat) | No data available | No data available |

0% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

| Chemical name | Algae/aquatic plants | Fish | Microtox | Waterflea |
|---|----------------------|---------------------|-------------------|-----------------------|
| Didecyldimethylammonium chloride 7173-51-5 | EC50 0.09 mg/L 72h | LC50 0.28 mg/L 96 h | No data available | LC50 0.0059 mg/L 48 h |

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

There is no data for this product.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with local regulations.
Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

California Proposition 65

This product contains the following Proposition 65 chemicals:

The list of Proposition 65 chemicals lists "Ethyl alcohol in alcoholic beverages" and is intended to cover only that use of Ethyl Alcohol.

State Regulations

U.S. EPA Label information

EPA Pesticide registration number 4959-46-82882

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, skin, or on clothing. Wear protective clothing, eye wear (goggles, face shield, or safety glasses) and rubber gloves when handling. May be harmful if swallowed, inhaled, or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing. Wash clothing before reuse.

Harmful if swallowed.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

16. OTHER INFORMATION

Preparation Date: 31-Jul-2008
Revision Date: 28-May-2021
Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS