



Material Safety Data Sheet
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

1 Identification of substance:

- Product name: **Hydrochloric Acid**
(BioBag Type C)
- Catalog number: 261510
- Manufacturer/Supplier:
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Telephone: (410) 771-0100 or (800) 638-8663
- Information department: Technical services
- Emergency information:
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800) 638-8663, or ChemTrec at (800) 424-9300.

2 Composition/Data on components:

- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

7647-01-0	hydrochloric acid	15.3%
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3 Hazards identification

Hazard description:



C Corrosive

- Information pertaining to particular dangers for man and environment
R 34 Causes burns.
R 37 Irritating to respiratory system.
- Classification system
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0-4)



Health = 3
Fire = 0
Reactivity = 0

4 First aid measures

- General information Immediately remove contaminated clothing.
- After inhalation Seek medical treatment in case of complaints.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- After swallowing Drink copious amounts of water and provide fresh air. Immediately call a doctor.

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Components with limit values that require monitoring at the workplace:	
7647-01-0 hydrochloric acid	
PEL	Short-term value: C 7 mg/m ³ , C 5 ppm
REL	Short-term value: C 7 mg/m ³ , C 5 ppm
TLV	Short-term value: C 2.98 mg/m ³ , C 2 ppm

Additional information: The lists that were valid during the creation were used as basis.

Personal Protective Equipment

General protective and hygienic measures

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

Protection of hands:



Chemical resistant gloves (i.e. nitrile, or equivalent).

Eye protection: Safety glasses

Body protection: Protective work clothing (lab coat).

9 Physical and chemical properties:

General Information	
Form:	Liquid
Color:	Colorless
Odor:	Odorless
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
Auto igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Density:	Not determined
Solubility in / Miscibility with	
Water:	Soluble
pH-value:	0.193

USA

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14 Transport information

· DOT regulations:



- **Hazard class:** 8
- **Identification number:** UN3264
- **Packing group:** II
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID)
- **Label:** 8
- **Remarks:** This product can be transported using the "small quantity" exception. This package conforms to 49 CFR 173.4. The Hazard Class, Identification number, and Packing group listed above is for informational purposes only.

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 8 (C1) Corrosive substances
- **Danger code (Kemler):** 80
- **UN-Number:** 3264
- **Packaging group:** II
- **Description of goods:** 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID)

· Maritime transport IMDG:



- **IMDG Class:** 8
- **UN Number:** 3264
- **Label:** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID)
- **Remarks:** Limited quantity

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3264

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Safety phrases:

- 1/2 Keep locked up and out of the reach of children.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 45 In case of accident or if you feel unwell, seek medical advice immediately.
- 60 This material and its container must be disposed of as hazardous waste.

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.

- **Department issuing MSDS:**
Safety and Environment Department
MSDS created by Michael J. Spinazzola
- **Contact:** Technical Service Representative

USA