

MATERIAL SAFETY DATA SHEET

Revision Date: 01/27/06

PAGE 1 of 1

Name: BTI-LNB Media

SECTION I

Manufacturer's Name: BTI Products, LP

Address:

652 Silver Hills Road Bayfield, CO 81122

Emergency Phone: (800) 798-4650

Telephone: (970) 884-4629

SECTION II - Hazardous Ingredients/Identity Information

This material is not hazardous as defined by OSHA 1910.1200

SECTION III - Physical/Chemical Composition

Boiling Point: NA Specific Gravity (H₂O = 1): NA Vapor Pressure (mm Hg): NA

Melting Point: NA Vapor Density (Air = 1): NA Evaporation Rate (Butyl Acetate): NA

Solubility in Water: NA Appearance and Odor: Almost colorless liquid

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits: NA Extinguishing Media: NA

Special Fire Fighting Procedures: NA Unusual Fire and Explosion Hazards: NA

SECTION V - Reactivity Data

Stability: NA Unstable: NA Stable: NA Conditions to Avoid: NA Hazardous Polymerization: NA May Occur: NA Will Not Occur: NA Conditions to Avoid: NA Incompatibility (Materials to Avoid): NA Hazardous Decomposition or By-products: NA

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? NA Skin? NA Ingestion? NA

Carcinogenicity: NA NTP? NA IARC Monographs? NA OSHA Regulated? NA

Health Hazards (Acute and Chronic): NA

Medical Conditions Generally Aggravated by Exposure: NA

Emergency and First Aid Procedures: NA

SECTION VII - Precautions for Safe Handling and Use

Waste Disposal Method: NA Handling and Storing Precautions: NA Other Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.

SECTION VIII - Control Measures

Respiratory Protection: NA Ventilation: NA Local Exhaust: NA Special: NA Protective Gloves: NA Mechanical: NA

Other: NA Other Protective Clothing or Equipment: NA Work/Hygienic Practices: NA



MATERIAL SAFETY DATA SHEET

Revision Date: 01/27/06

PAGE 1 of 1

Name: BTI-IRB Media

SECTION I

Manufacturer's Name: BTI Products, LP

Address: 652 Silver Hills Road

Bayfield, CO 81122

Emergency Phone: (800) 798-4650 **Telephone:** (970) 884-4629

SECTION II - Hazardous Ingredients/Identity Information

This material is not hazardous as defined by OSHA 1910.1200

SECTION III - Physical/Chemical Composition

Boiling Point: NA Specific Gravity (H₂O = 1): NA Vapor Pressure (mm Hg): NA Melting Point: NA Vapor Density (Air = 1): NA Evaporation Rate (Butyl Acetate): NA

Solubility in Water: NA Appearance and Odor: Amber liquid

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits: NA Extinguishing Media: NA

Special Fire Fighting Procedures: NA Unusual Fire and Explosion Hazards: NA

SECTION V - Reactivity Data

Stability: NA Unstable: NA Stable: NA Conditions to Avoid: NA Hazardous Polymerization: NA May Occur: NA Will Not Occur: NA Conditions to Avoid: NA Incompatibility (Materials to Avoid): NA Hazardous Decomposition or By-products: NA

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? NA Skin? NA Ingestion? NA

Carcinogenicity: NA NTP? NA IARC Monographs? NA OSHA Regulated? NA

Health Hazards (Acute and Chronic): NA Signs and Symptoms of Exposure: NA Medical Conditions Generally Aggravated by Exposure: NA Emergency and First Aid Procedures: NA

SECTION VII - Precautions for Safe Handling and Use

Waste Disposal Method: NA Handling and Storing Precautions: NA Other Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.

SECTION VIII - Control Measures

Respiratory Protection: NA Ventilation: NA Local Exhaust: NA Special: NA Protective Gloves: NA Mechanical: NA

Other: NA Other Protective Clothing or Equipment: NA Work/Hygienic Practices: NA



MATERIAL SAFETY DATA SHEET

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Name: BTI-ANA Media

SECTION I

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Address:

Bayfield, CO 81122

Emergency Phone: (800) 798-4650 Telephone: (970) 884-4629 PAGE 1 of 1

SECTION II - Hazardous Ingredients/Identity Information

This material is not hazardous as defined by OSHA 1910.1200

SECTION III - Physical/Chemical Composition

Boiling Point: 94°C Specific Gravity (H₂O = 1): NA Vapor Pressure (mm Hg): NA

Melting Point: NA Vapor Density (Air = 1): NA Evaporation Rate (Butyl Acetate): NA

Solubility in Water: NA Appearance and Odor: Golden yellow liquid

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits: NA Extinguishing Media: NA

Special Fire Fighting Procedures: NA Unusual Fire and Explosion Hazards: NA

SECTION V - Reactivity Data

Stable: NA Conditions to Avoid: NA Stability: NA Unstable: NA Hazardous Polymerization: NA May Occur: NA Will Not Occur: NA Conditions to Avoid: NA Incompatibility (Materials to Avoid): NA Hazardous Decomposition or By-products: NA

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? NA Skin? NA Ingestion? NA

Carcinogenicity: NA NTP? NA IARC Monographs? NA OSHA Regulated? NA

Health Hazards (Acute and Chronic): NA Signs and Symptoms of Exposure: NA Medical Conditions Generally Aggravated by Exposure: NA Emergency and First Aid Procedures: NA

SECTION VII - Precautions for Safe Handling and Use

Waste Disposal Method: NA Other Precautions: NA Handling and Storing Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.

SECTION VIII - Control Measures

Local Exhaust: NA Respiratory Protection: NA Ventilation: NA Special: NA Protective Gloves: NA Mechanical: NA

Other Protective Clothing or Equipment: NA Other: NA Work/Hygienic Practices: NA



MATERIAL SAFETY DATA SHEET

Revision Date: 01/27/06

Name: BTI-APB Media

SECTION I

Manufacturer's Name: BTI Products, LP

Address:

652 Silver Hills Road Bayfield, CO 81122

Emergency Phone: Telephone:

(800) 798-4650 (970) 884-4629 PAGE 1 of 1

SECTION II - Hazardous Ingredients/Identity Information

This material is not hazardous as defined by OSHA 1910.1200

SECTION III - Physical/Chemical Composition

Boiling Point: 93°C Specific Gravity (H₂O = 1): NA Vapor Melting Point: NA Vapor Density (Air = 1): NA Evapor Density (Air = 1): NA

Vapor Pressure (mm Hg): NA Evaporation Rate (Butyl Acetate): NA

Solubility in Water: NA Appearance and Odor: Red/orange liquid

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits: NA Extinguishing Media: NA

Special Fire Fighting Procedures: NA Unusual Fire and Explosion Hazards: NA

SECTION V - Reactivity Data

Stability: NA Unstable: NA Stable: NA Conditions to Avoid: NA Hazardous Polymerization: NA May Occur: NA Will Not Occur: NA Conditions to Avoid: NA

Incompatibility (Materials to Avoid): NA

Hazardous Decomposition or By-products: NA

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? NA Skin? NA Ingestion? NA

Carcinogenicity: NA NTP? NA IARC Monographs? NA OSHA Regulated? NA

Health Hazards (Acute and Chronic): NA Signs and Symptoms of Exposure: NA Medical Conditions Generally Aggravated by Exposure: NA Emergency and First Aid Procedures: NA

SECTION VII - Precautions for Safe Handling and Use

Waste Disposal Method: NA Handling and Storing Precautions: NA Other Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.

SECTION VIII - Control Measures

Respiratory Protection: NA Ventilation: NA Local Exhaust: NA Special: NA Protective Gloves: NA Mechanical: NA

Other: NA Other Protective Clothing or Equipment: NA Work/Hygienic Practices: NA



MATERIAL SAFETY DATA SHEET

Revision Date: 01/27/06

Name: BTI-SRB Media

SECTION I

Manufacturer's Name: BTI Products, LP

Address: 652

652 Silver Hills Road Bayfield, CO 81122

Emergency Phone: (800) 798-4650 **Telephone**: (970) 884-4629 PAGE 1 of 1

SECTION II - Hazardous Ingredients/Identity Information

This material is not hazardous as defined by OSHA 1910.1200

SECTION III - Physical/Chemical Composition

Boiling Point: 93°C Specific Gravity (H₂O = 1): NA Vapor Pressure (mm Hg): NA Melting Point: NA Vapor Density (Air = 1): NA Evaporation Rate (Butyl Acetate): NA

Melting Point: NA Vapor Density (Air = 1): NA Evaporation Solubility in Water: NA Appearance and Odor: Red/orange liquid

SECTION IV - Fire and Explosion Hazard Data

Flash Point: NA Flammable Limits: NA Extinguishing Media: NA

Special Fire Fighting Procedures: NA Unusual Fire and Explosion Hazards: NA

SECTION V - Reactivity Data

Stability: NA Unstable: NA Stable: NA Conditions to Avoid: NA Hazardous Polymerization: NA May Occur: NA Will Not Occur: NA Conditions to Avoid: NA Incompatibility (Materials to Avoid): NA Hazardous Decomposition or By-products: NA

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation? NA Skin? NA Ingestion? NA

Carcinogenicity: NA NTP? NA IARC Monographs? NA OSHA Regulated? NA

Health Hazards (Acute and Chronic): NA

Medical Conditions Generally Aggravated by Exposure: NA

Emergency and First Aid Procedures: NA

SECTION VII - Precautions for Safe Handling and Use

Waste Disposal Method: NA Handling and Storing Precautions: NA Other Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.

SECTION VIII - Control Measures

Respiratory Protection: NA Ventilation: NA Local Exhaust: NA Special: NA Protective Gloves: NA Mechanical: NA

Other: NA Other Protective Clothing or Equipment: NA Work/Hygienic Practices: NA

Page 6

CHEMetrics, Inc.

4295 Catlett Rd., Calverton, VA 20138 (800) 356-3072 (540) 788-9026

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24 Hour Emergency Numbers: (703) 590-9204

(540) 439-3860 Creation Date: 11/03/88 (1071-18)

Revision Date: 10/30/06

MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAME: DISSOLVED OXYGEN CHEMets®

CATALOG NO.: R-7512

DESCRIPTION: Reagent ampoules for the determination of dissolved oxygen in water. Each CHEMet™ contains approximately 0.50 mL of liquid reagent sealed under vacuum.

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Indigo Carmine

CAS NO.: 860-22-0 PERCENT: < 0.1

COMPONENT: Potassium Hydrogen Phthalate CAS NO.: 877-24-7 PERCENT: 1.0

COMPONENT: Diethylene Glycol

CAS NO.: 111-46-6 PERCENT: 22.0

COMPONENT: Deionized Water

CAS NO.: 7732-18-5 PERCENT: > 76

COMPONENT: Other components

CAS NO.: N/A PERCENT: < 1.0

Any component of this mixture not specifically listed (e.g. "other components") is not considered to present a carcinogen hazard.

III. HAZARDS IDENTIFICATION

May be harmful if swallowed.

ACUTE TOXICITY: Irritation, nausea, diarrhea

CHRONIC TOXICITY: Ingestion of large amounts of diethylene glycol can

cause liver or kidney lesions.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: liver or kidney

disorders

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.

INGESTION: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.

INHALATION: Remove individual to fresh air.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A AUTOIGNITION POINT: N/A FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam

VI. ACCIDENTAL RELEASE MEASURES

Take up with absorbent material. Place in small containers for disposal.

VII. HANDLING AND STORAGE

Always wear eye protection when working with these ampoules.

WARNING: Do not break the tip of the ampoule unless it is completely immersed in your sample. Breaking the tip in the air may cause the glass ampoule to shatter.

If this product is used as directed, the user will not come in contact with or be exposed to any of its chemical components.

Wash thoroughly after handling. Avoid contact with eyes.

Fragile. Liquid in glass. Handle with care.

Exposure of this product to temperatures up to 120°F (49°C) or even below 32°F (0°C) will not create a safety hazard. For optimum analytical accuracy, the product should be stored in the dark and at room temperature.

VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA PEL & ACGIH TLV: None listed. PROTECTIVE EQUIPMENT: Safety glasses

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Yellow ODOR: None SOLUBILITY IN WATER: Complete pH: 4
BOILING POINT: 110°C MELTING POINT: -1°C
VAPOR PRESSURE: N/A SPECIFIC GRAVITY: 1.01

VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, oxides of carbon and potassium may be emitted. Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

Carcinogen Status: None No other data available at this time.

XII. ECOLOGICAL INFORMATION

Diethylene glycol has a low bioconcentration potential and is practically non-toxic to aquatic organisms.

No other data available at this time.

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

XIV. TRANSPORT INFORMATION

Not regulated.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

EU Symbols: None Risk Phrases: None

Safety Phrases: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

CANADIAN INFORMATION:

WHMIS Classification: D2A

All chemical components of this product are listed on Canada's DSL.

U.S. INFORMATION:

All chemical components of this product are listed on the TSCA Inventory.

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

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SIGMA-ALDRICH

MATERIAL SAFETY DATA SHEET

Date Printed: 04/03/2007 Date Updated: 04/11/2006 Version 1.8

Section 1 - Product and Company Information

Product Name HYDROCHLORIC ACID SOLUTION 2.0 N

Product Number H3037 Brand SIGMA

Company Sigma-Aldrich

Address 3050 Spruce Street

SAINT LOUIS MO 63103 US

Technical Phone: 800-325-5832 Fax: 800-325-5052 Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name CAS # SARA 313

HYDROCHLORIC ACID SOLUTION, >=5% - 7647-01-0 No

<10%

Ingredient Name CAS # Percent SARA 313

WATER 7732-18-5 >= 90 No

< 95

HYDROCHLORIC ACID 7647-01-0 >= 5

< 10

Formula HCl

Synonyms Acide chlorhydrique (French) * Acido cloridrico

(Italian) * Anhydrous hydrochloric acid *
Chloorwaterstof (Dutch) * Chlorohydric acid *
Chlorowodor (Polish) * Chlorwasserstoff (German)
* Hydrochloride * Hydrogen chloride (ACGIH:OSHA)

* Muriatic acid * Spirits of salt

RTECS Number: MW4025000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritant.

Irritating to eyes, respiratory system and skin.

HMIS RATING

HEALTH: 2

FLAMMABILITY: 0 REACTIVITY: 0

NFPA RATING

HEALTH: 2

FLAMMABILITY: 0
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING

User Exposure: Do not breathe vapor. Do not get in eyes, on skin, on clothing.

STORAGE

Suitable: Keep tightly closed.

SPECIAL REQUIREMENTS

May develop pressure. Open carefully.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Discard contaminated shoes. Wash contaminated clothing before reuse.

EXPOSURE LIMITS, RTECS

Country Source Type Value Ceiling co2 PPM USA ACGIH

USA Ceiling co5 PPM (7 MG/M3) MSHA Standard USA OSHA. PEL CL 5 PPM (7 MG/M3)

New Zealand OEL

Remarks: check ACGIH TLV

Ceiling co5 PPM NIOSH

EXPOSURE LIMITS

Country Source Value Type Poland NDS 5 Poland NDSCh 10 Poland NDSP

Section 9 - Physical/Chemical Properties

Physical State: Liquid Appearance

> Color: Colorless Form: Clear liquid

Value At Temperature or Pressure Property

Molecular Weight 36.46 AMU На N/A

BP/BP Range N/A MP/MP Range N/A Freezing Point N/A Vapor Pressure N/A Vapor Density N/ASaturated Vapor Conc. N/A

SG/Density $1.033 \, \text{g/cm}3$

Bulk Density N/AOdor Threshold N/AVolatile% N/A VOC Content N/A Water Content N/ASolvent Content N/AN/A Evaporation Rate N/A Viscosity Surface Tension N/A Partition Coefficient N/A

BTIproductsLP

```
Decomposition Temp.
                        N/A
Flash Point
                        N/A
Explosion Limits
                        N/A
Flammability
                        N/A
Autoignition Temp
                        N/A
Refractive Index
                        N/A
Optical Rotation
                        N/A
Miscellaneous Data
                        N/A
Solubility
                        N/A
```

N/A = not available

Section 10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Bases, Amines, Alkali metals, Metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to

mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Inhalation may result in spasm, inflammation and edema of the larynxand bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

TOXICITY DATA

Oral

Man

2.857 mg/kg

LDLO

Remarks: Lungs, Thorax, or Respiration: Respiratory depression. Gastrointestinal: Changes in structure or function of esophagus. Vascular: BP lowering not charactertized in autonomic section.

Oral

Woman

420 UL/KG

LDLO

Remarks: Behavioral: Excitement. Cardiac: Pulse rate. Kidney,

Ureter, Bladder: Hematuria.

Inhalation Human

```
1,300 ppm
  LCLO
   Inhalation
  Human
  3,000 ppm
  LCLO
  Inhalation
  Rat
   3,124 ppm
  LC50
  Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and
  Taste):Olfaction:Other changes. Sense Organs and Special Senses
   (Nose, Eye, Ear, and Taste): Eye: Iritis.
   Inhalation
  Mouse
   1,108 ppm
  LC50
  Remarks: Lungs, Thorax, or Respiration: Respiratory stimulation.
  Sense Organs and Special Senses (Nose, Eye, Ear, and
  Taste): Eye: Other. Skin and Appendages: Skin: After systemic
  exposure: Dermatitis, other
  Intraperitoneal
  Mouse
  40142 UG/KG
  LD50
  Oral
  Rabbit
  900 mg/kg
  LD50
IRRITATION DATA
  Eyes
  Rabbit
   5 mg
   30S
  Remarks: Rinsed
CHRONIC EXPOSURE - CARCINOGEN
  Result: This product is or contains a component that is not
   classifiable as to its carcinogenicity based on its IARC, ACGIH,
  NTP, or EPA classification.
IARC CARCINOGEN LIST
  Rating: Group 3
CHRONIC EXPOSURE - TERATOGEN
   Species: Rat
  Dose: 450 MG/M3/1H
  Route of Application: Inhalation
  Exposure Time: (1D PRE)
  Result: Specific Developmental Abnormalities: Homeostasis
  Effects on Embryo or Fetus: Fetotoxicity (except death, e.g.,
   stunted fetus).
```

CHRONIC EXPOSURE - MUTAGEN

Species: Hamster Dose: 30 MMOL/L Cell Type: lung

Mutation test: Cytogenetic analysis

Species: Hamster Dose: 8 MMOL/L Cell Type: ovary

Mutation test: Cytogenetic analysis

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: Hydrochloric acid

UN#: 1789 Class: 8

Packing Group: Packing Group III

Hazard Label: Corrosive

PIH: Not PIH

IATA

Proper Shipping Name: Hydrochloric acid

IATA UN Number: 1789 Hazard Class: 8 Packing Group: III

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi

Indication of Danger: Irritant.

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 26

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in

BTIproductsLP Bayfield, CO 800.798.4650

accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes NDSL: No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

BTI**products**LP Bayfield, CO 800.798.4650