

## BIO BASIC INC.

160 Torbay Road, Markham Ontario. L3R 1G6 Canada  
Tel: (905) 474 4493, (800) 313 7224 Fax: (905) 474 5794

### MATERIAL SAFETY DATA SHEET

REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

MANUFACTURER'S NAME: BIO BASIC INC.  
TEL: (905) 474 5794  
FAX: (416) 995 9730  
FOR CHEMICAL EMERGENCY: (416) 995 9730  
ADDRESS: 160 Torbay Road, Markham Ontario. L3R 1G6 Canada

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#### Section 1 ---- Product and Company Information-----

Product Name Denature Solution  
Product Number DE540

#### Section 2 ----- Composition/Information on Ingredient-----

Substance Name CAS # SARA 313

DENATURING SOLUTION

Ingredient Name CAS # Percent SARA 313

Information regarding the specific None chemical identity of this material is being withheld as a trade secret of the manufacturer.

#### Section 3 ----- Hazards Identification-----

EMERGENCY OVERVIEW

Corrosive.

Causes burns.

Information regarding the specific chemical identity of this material is being withheld as a trade secret of the manufacturer.

HMIS RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

NFPA RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

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

#### Section 4 ----- First Aid Measures-----

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

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: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

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 TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste 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. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed.

## **Section 8 ----- Exposure Controls / PPE-----**

ENGINEERING CONTROLS

Safety shower and eye bath. Use only in a chemical fume hood.

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.

Other: Faceshield (8-inch minimum).

GENERAL HYGIENE MEASURES

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

## **Section 9 ----- Physical/Chemical Properties-----**

Appearance Physical State: Liquid

Property Value At Temperature or Pressure

pH N/A

BP/BP Range N/A

MP/MP Range N/A

Freezing Point N/A

Vapor Pressure N/A

Vapor Density N/A

Saturated Vapor Conc. N/A  
Bulk Density N/A  
Odor Threshold N/A  
Volatile% N/A  
VOC Content N/A  
Water Content N/A  
Solvent Content N/A  
Evaporation Rate N/A  
Viscosity N/A  
Surface Tension N/A  
Partition Coefficient N/A  
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: Acids, Organic materials, Chlorinated solvents, Aluminum, Phosphorus, Tin/tin oxides, Zinc.

##### **HAZARDOUS DECOMPOSITION PRODUCTS**

Hazardous Decomposition Products: Nature of decomposition products not known.

##### **HAZARDOUS POLYMERIZATION**

Hazardous Polymerization: Will not occur Section 11 - Toxicological Information

##### **ROUTE OF EXPOSURE**

Skin Contact: Causes burns.

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

Eye Contact: Causes burns.

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

##### **SIGNS AND SYMPTOMS OF EXPOSURE**

Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema.

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

#### **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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

#### **Section 14 ----- Transport Information-----**

DOT  
Proper Shipping Name: Sodium hydroxide solution  
UN#: 1824  
Class: 8  
Packing Group: Packing Group III  
Hazard Label: Corrosive  
PIH: Not PIH  
IATA  
Proper Shipping Name: Sodium hydroxide solution  
IATA UN Number: 1824  
Hazard Class: 8  
Packing Group: III

**Section 15 ----- Regulatory Information-----**

**EU ADDITIONAL CLASSIFICATION**

Symbol of Danger: C

Indication of Danger: Corrosive.

R: 34

Risk Statements: Causes burns.

S: 26-36/37/39-45

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**US CLASSIFICATION AND LABEL TEXT**

Indication of Danger: Corrosive.

Risk Statements: Causes burns.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.

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

**UNITED STATES REGULATORY INFORMATION**

SARA LISTED: No

**CANADA REGULATORY INFORMATION**

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

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. BBI., 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.