



THE POWER OF THREE<sup>3</sup>  
**PHARMCO-AAPER**  
AND COMMERCIAL ALCOHOLS

**Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300**

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## **MATERIAL SAFETY DATA SHEETS**

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Manufacturer: PHARMCO-AAPER  
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Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

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Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

Emergency Contact:  
CHEMTREC 1-800-424-9300

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NAME: **N-n-Butylethanolamine**  
CAS: [111-75-1]

### **HEALTH HAZARD INFORMATION**

#### **CORROSIVE**

#### **HARMFUL**

Irritating to eyes, respiratory system, and skin.

May be harmful if swallowed or inhaled.

Do not breathe vapor.

Material is not listed under TSCA.

To the best of our knowledge, the physical and chemical properties of this material have not been fully investigated.

Use caution when handling.

### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Avoid all direct contact with product**

Wear protective safety goggles

Wear chemical-resistant gloves

Wear protective clothing and boots

Ensure ventilation during use

After contact with skin, wash immediately

### **FIRST AID**

**EYE CONTACT:** Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

**SKIN CONTACT:** After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before

reusing.

**INHALATION:** Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

**INGESTION:** Do not induce vomiting. Give water to victim to drink. Seek medical attention.

#### **FIRE MEASURES**

**FLASH POINT:** 77° C

**Extinguishing media:** carbon dioxide, dry chemical powder, alcohol or polymer foam.

**Special fire-fighting procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product:** emits toxic fumes under fire conditions.

## **HANDLING AND STORAGE INFORMATION**

**CORROSIVE**

**HARMFUL**

**AVOID ALL DIRECT CONTACT WITH MATERIAL**

**Wash thoroughly after handling.**

Do not breathe dust or vapor.

Have safety shower and eye wash available.

Do not get in eyes, on skin, on clothing.

Keep container tightly closed.

Store in a cool, dry, well ventilated area

Ensure adequate ventilation during use

**Use only in a chemical fume hood.**

**Avoid sources of ignition**

## **ACCIDENTAL RELEASE MEASURES**

**Steps to be taken if material is released or spilled:** Wear appropriate respirator, rubber boots and heavy rubber gloves. Scoop up and place in an appropriate container. Ventilate area and wash spill site after pickup is complete. Wash skin immediately with plenty of water. Absorb on sand or vermiculite and place in closed containers for disposal.

#### **DISPOSAL INFORMATION**

Dissolve in 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 laws.

## **PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** LIQUID

**MF:** C<sub>6</sub>H<sub>15</sub>O

**MW:** 117.19

**BP:** 199°

**MP:** NA

**DEN:** 0.89

**N<sub>d</sub>**

**20:** NA

**FP:** 77° C

#### **REACTIVITY DATA**

**INCOMPATIBILITIES:** oxidizing materials, strong acids, and strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** may evolve carbon dioxide, carbon monoxide.

#### **TOXICITY INFORMATION**

**ACUTE EFFECTS:**

**CORROSIVE**

May be harmful by inhalation, ingestion, or skin absorption.

Causes skin and eye irritation.

Material is irritating to mucous membranes and upper respiratory tract.

To the best of our knowledge, the toxicological properties of this product have not been fully determined.

## **TRANSPORT INFORMATION**

Corrosive liquid, n.o.s.

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UN1760, III

### **DISCLAIMER:**

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein