1. **Identification of Substance/ Identification of Company**

**Product:** DEPBT  
**Catalog #:** CXZ060  
**Chemical Formula:** $C_{11}H_{14}N_{3}O_{5}P$  
**Synonyms:** 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one

**Relevant Identified Uses:** Laboratory chemicals, manufacture of substances

**Supplier:** AAPPTec, LLC  
6309 Shepherdsville Road  
Louisville, Kentucky USA  
40228  
Telephone: 502-968-2223  
Fax: 502-968-3338

2. **Hazards Identification**

**Classification of Substance or Mixture**

**GHS Classification in Accordance with 29 CFR 1910 (OSHA)**

- Skin Irritation (Category 2), H315
- Eye Irritation (Category 2A), H319
- Specific Target Organ Toxicity - Single Exposure (Category 3) Respiratory System, H335

**GHS label elements**

**Pictogram:**

- **Signal word:** Warning
- **Hazard statements:**
  - H315: Causes skin irritation
  - H319: Causes serious eye irritation
  - H335: May cause respiratory irritation.

**Precautionary statements:**

- P261: Avoid breathing dust.
- P264: Wash skin thoroughly after handling
- P271: Use only outdoors or in a well-ventilated area
- P280: Wear protective gloves/eye protection/face protection
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P321: Specific treatment (see supplemental first aid instructions)
P332+P313  If skin irritation occurs: Get medical advice/attention.
P337+P313  If eye irritation persists: Get medical advice/attention
P362      Take of contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405      Store locked up
P501      Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS: none

3. Composition/ information on ingredients

Substance/preparation: Substance
Chemical Name: 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one
Formula: C_{11}H_{14}N_{3}O_{5}P
Molecular Weight: 299.22
CAS #: 165534-43-0
EC #: Not available

Hazardous Components
Component: 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one
Classification: Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335
Concentration: -

4. First Aid Measures

First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move out of the dangerous area.
Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician
Skin Contact: Wash off with soap and plenty of water. Consult a physician.
Eye Contact: Rinse thoroughly with water for 15 minutes and consult a physician.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Effects and Symptoms, Both Acute and Delayed
The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.

Indication of Immediate Medical Attention and Special Treatment Needed
No data available

5. Fire-fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards Arising From the Substance or Mixture: carbon oxides, nitrogen oxides (NOx), phosphorous oxides, hydrogen fluoride
Advice for Firefighters: Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Further Information: No data available.

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental Precautions: Do not allow product to enter drains.

Methods and Materials for Containment and Clean Up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to Other Sections: For disposal see Section 13

7. Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see Section 2.

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place.

Specific End Uses: Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

Control Parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye/Face Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

| Full contact Material: Nitrile rubber |
| Minimum layer thickness: 0.11 mm |
| Break through time: 480 min |

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0.11 mm
Break through time: 480 min
Test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection:** Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of Environmental Exposure:** Do not let product enter drains.

### 9. Physical and Chemical Properties

- **Appearance:** White crystals or powder
- **Odor:** No data available
- **Odor Threshold:** No data available
- **pH:** No data available
- **Melting Point:** 154-156 °C (309-313 °F) – dec.
- **Boiling Point and Boiling Range:** No data available
- **Flash Point:** No data available
- **Evaporation Rate:** No data available
- **Flammability (solid, gas):** No data available
- **Vapor Pressure:** No data available
- **Vapor Density:** No data available
- **Relative Density:** No data available
- **Water Solubility:** No data available
- **Partition Coefficient n-Octanol/Water:** No data available
- **Auto-Ignition Temperature:** No data available
- **Decomposition Temperature:** No data available
- **Viscosity:** No data available
- **Explosive Properties:** No data available
- **Oxidizing Properties:** No data available

### 10. Stability and Reactivity

- **Reactivity:** No data available
- **Chemical Stability:** Stable under recommended storage conditions.
- **Possibility of Hazardous Reactions:** No data available
- **Conditions to Avoid:** No data available
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products**
  - **Other Decomposition Products:** No data available
- **In Event of Fire:** See Section 5
11. **Toxicological Information**

**Acute Toxicity:** No data available  
Dermal: No data available  
**Skin Corrosion/Irritation:** No data available  
**Serious Eye Damage/Eye Irritation**  
**Respiratory or Skin Sensitisation:** No data available  
**Germ Cell Mutagenicity**  
**Carcinogenicity:**  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
**Reproductive Toxicity:** No data available  
**Specific Target Organ Toxicity – Single Exposure:** No data available  
Inhalation – May cause respiratory irritation  
**Specific Target Organ Toxicity – Repeated Exposure:** No data available  
**Aspiration Hazard:** No data available  
**Additional Information:** RTECS Not available  

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. **Ecological Information**

**Toxicity:** No data available  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**PBT and PvBv assessment:** No data available  
**Other adverse effects:** No data available

13. **Disposal Considerations**

**Waste Treatment Methods – Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.  
**Contaminated Packaging:** Dispose of as unused product.

14. **Transportation**

**DOT (US)**  
Not dangerous goods  
**IMDG**  
Not dangerous goods  
**IATA**  
Not dangerous goods
15. Regulatory Information

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**SARA 311/312 Hazards:** Acute health hazard

**State Regulations:**
- **Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:**
- 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one
  - CAS No: 165534-43-0
  - Revision Date:

**New Jersey Right To Know Components:**
- 3-(Diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3H)-one
  - CAS No: 165534-43-0
  - Revision Date:

**California Prop. 65 Components:**
- This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

**Full Text of H-Statements Referred to Under Sections 2 and 3.**

- **Eye Irrit.** Eye irritation
- **H315** Causes skin irritation.
- **H319** Causes serious eye irritation.
- **H335** May cause respiratory irritation
- **Skin Irrit.** Skin irritation
- **STOT SE** Specific target organ toxicity – single exposure

**Hazardous Material Information System (U.S.A.)**

<table>
<thead>
<tr>
<th>Health Hazard</th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
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</tr>
<tr>
<td>Physical Hazard</td>
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</tr>
<tr>
<td>Personal Protection</td>
<td></td>
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</tbody>
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