1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**  
Z-BEC Products

**Common Name**  
Not available

**Chemical Name**  
Not applicable

**Synonyms**  
Z-BEC, Z-BEC A.C.E.

**Product Use**  
Dietary Supplement

**Classification**  
Vitamin

**Supplier**  
Wyeth  
P.O. Box 8299  
Philadelphia, PA 19101 USA.  
Telephone: 1-610-688-4400

**Emergency Telephone Number**  
Chemtrec USA, Puerto Rico, Canada 1-800-424-9300  
Chemtrec International 1-703-527-3887

2. HAZARDS IDENTIFICATION

**Emergency Overview**  
This product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance**  
Pharmaceutical tablet

**Physical State**  
Solid

**Odor**  
Not available

**Potential Physical Hazards**  
Powders and solids are presumed to be combustible.

**Potential Health Effects**

<table>
<thead>
<tr>
<th>Source</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>May cause mechanical eye irritation</td>
</tr>
<tr>
<td>Skin</td>
<td>Not available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Not available</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause stomach irritation.</td>
</tr>
<tr>
<td>Therapeutic Target Organ(s)</td>
<td>None</td>
</tr>
</tbody>
</table>

**Potential Environmental Effects**  
There is no known ecological information for this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Common Name</th>
<th>CAS-No</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>22.5 mg/tablet</td>
</tr>
<tr>
<td>Common Name</td>
<td>CAS-No</td>
<td>Composition</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Vitamin A</td>
<td>127-47-9</td>
<td>5000-10000 IU/tablet</td>
</tr>
<tr>
<td>Vitamin C (Ascorbic Acid)</td>
<td>50-81-7</td>
<td>200 mg/tablet</td>
</tr>
<tr>
<td>Vitamin E (acetate)</td>
<td>58-95-7</td>
<td>0-30 IU/tablet</td>
</tr>
<tr>
<td>Beta-carotene</td>
<td>7235-40-7</td>
<td>6-9 mg/tablet</td>
</tr>
<tr>
<td>Vitamin B1 (Thiamine Mononitrate)</td>
<td>532-43-4</td>
<td>4.5-5 mg/tablet</td>
</tr>
<tr>
<td>Vitamin B2 (Riboflavin)</td>
<td>83-88-5</td>
<td>5 mg/tablet</td>
</tr>
<tr>
<td>Vitamin B6 (Pyridoxine Hydrochloride)</td>
<td>58-56-0</td>
<td>5-6.3 mg/tablet</td>
</tr>
<tr>
<td>Vitamin B12 (Cyanocobalamin)</td>
<td>68-19-9</td>
<td>13 mcg/tablet</td>
</tr>
<tr>
<td>Pantothenic acid (Calcium Pantothenate)</td>
<td>137-08-6</td>
<td>20 mg/tablet</td>
</tr>
<tr>
<td>Niacinamide</td>
<td>98-92-0</td>
<td>56-74 mg/tablet</td>
</tr>
<tr>
<td>Inactive Ingredients</td>
<td>Not applicable</td>
<td>Remainder</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye Contact
In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.

Skin Contact
Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation
Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.

Ingestion
If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Presumed to be a combustible particulate solid.

Extinguishing Media

<table>
<thead>
<tr>
<th>Suitable Extinguishing Media</th>
<th>Unsuitable Extinguishing Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use water spray, foam, dry chemical or carbon dioxide.</td>
<td>Do NOT use water jet.</td>
</tr>
</tbody>
</table>

Fire Fighting
Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products
Carbon oxides, nitrogen oxides.

Protective Equipment and Precautions for Firefighters
In the event of fire, wear self-contained breathing apparatus and special protective equipment for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions
Prevent product from entering drains. Local authorities should be advised if a significant spill cannot be contained.

Methods for Containment
Not available

Methods for Cleaning up
Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Avoid formation of dust and aerosols.
7. HANDLING AND STORAGE

Handling
For personal protection see Section 8. Handle in accordance with good industrial hygiene and safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.

Storage
No special safety precautions required. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls
No special precautions required

Personal Protective Equipment

Eye/face Protection
Avoid contact with skin and eyes

Skin Protection
For prolonged or repeated exposure use protective gloves. No special protective clothing required under typical conditions of use.

Respiratory Protection
No personal respiratory protective equipment normally required.

General Hygiene Considerations
When using, do not eat, drink or smoke. General industrial hygiene practice. Wash hands before breaks and at the end of workday.

Other
Limit access to only personnel trained in the safe handling of this material. Consult a health and safety professional for specific PPE, respirator, and risk assessment guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pharmaceutical tablet</td>
</tr>
<tr>
<td>Color</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Upper Not applicable</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>Upper Not applicable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature Method</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature Method</td>
<td>None</td>
</tr>
<tr>
<td>Upper</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Z-BEC Products

Revision Date 25-Feb-2008
10. STABILITY AND REACTIVITY

Chemical Stability
Stable at room temperature.

Conditions to Avoid
No data available

Materials to Avoid
No materials to be especially mentioned.

Hazardous Decomposition Products
None under normal use

Possibility of Hazardous Reactions
None under normal use

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Not available

Multiple Dose Toxicity
Not available

Maximum Tolerated Dose (MTD), Oral
Not available

12. ECOLOGICAL INFORMATION

Chemical Fate Information
Not available

Ecotoxicity
Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Transport Information
This material is not classified as hazardous for transport.

U.S. Department of Transport (DOT)
Not regulated

Canadian Transport of Dangerous Goods (TDG)
Not regulated

International Civil Aviation Organization (ICAO)
Not regulated

International Air Transport Association (IATA)
Not regulated

International Maritime Dangerous Goods (IMDG)/International Maritime Organization (IMO)
Not regulated

Transport of Dangerous Goods by Rail (RID)
Not regulated

Transport of Dangerous Goods by Road (ADR)
Not regulated

Transportation of Dangerous Goods via Inland Waterways (ADN)
Not regulated
15. REGULATORY INFORMATION

USA

Federal Regulations

OSHA Regulatory Status
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Common Name</th>
<th>CAS-No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>7440-66-6</td>
<td>0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

This product contains the following HAPs: Compounds of Selenium, Chromium, Nickel and Manganese

State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Canada

Not classified

WHMIS Hazard Class
Non-controlled

European Union
In accordance with Annex I of Directive 67/548/EEC and its amendments, this substance does not need to be classified nor labeled
16. OTHER INFORMATION

Prepared By
Wyeth Department of Environment, Health & Safety

Format
This MSDS was prepared in accordance with ANSI Z400.1-2004.

List of References
Product Package Insert

Revision Summary
Administrative

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End of MSDS