



## Research Associates, Inc.

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### SAFETY DATA SHEET (SDS)

#### SECTION 1: IDENTIFICATION

Product Name: **AzoturX**

Synonyms: None

Research Associates Product #: 30005

Product Type: B-Complex vitamin supplement

Manufacturer: Research Associates Inc

Address: PO Box 1000, Bensenville IL 60106

Telephone: 888-330-8387 Emergency: 888-330-8387

Website: [www.researchassoc.net](http://www.researchassoc.net)

Recommended use: For use in horses only. Promotes healthy muscle function.

#### SECTION 2: HAZARD IDENTIFICATION

Warning: May be irritating to eyes and mucous membranes. Keep out of reach of children.



#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT LIST: Water, Thiamine mononitrate, Riboflavin, Niacinamide, Pyridoxine hydrochloride, D-calcium pantothenate, Methyl paraben, Propyl paraben, Devils claw, Sea Cucumber, Kelp, Ginkgo biloba.

<u>INGREDIENT</u>	<u>CONCENTRATION</u>	<u>CAS</u>
Thiamine mononitrate	1400mg/lb	532-43-4
Pyridoxine hydrochloride	1000mg/lb	58-56-0
d-Calcium pantothenate	700mg/lb	137-08-6
Riboflavin	600 mg/lb	83-88-5
Vitamin B12	1ug/lb	68-19-9
Niacinamide	15000mg/lb	98-92-0

#### **SECTION 4: FIRST AID MEASURES**

EXPOSURE ROUTE	SYMPTOM	TREATMENT
Inhalation	Minimal respiratory impact	Bring to well ventilated area
Skin contact	Mild skin irritant	Wash with warm water for 15 minutes. Seek medical attention if irritation persists.
Eye contact	Mild eye irritant	Rinse eyes with cool water for 15 minutes. Seek medical attention if irritation persists.
Ingestion	Not harmful if swallowed; vitamins.	Rinse mouth if minimal. Seek medical attention if any symptoms develop from significant ingestion.

#### **SECTION 5: FIRE-FIGHTING MEASURES**

Flash Point:	Does not flash below 212 F. Not flammable.
Extinguishing Media:	Water.
Other required equipment:	Face mask, gloves, suitable protective clothing.
Special precautions:	None

#### **SECTION 6: ACCIDENTAL RELEASE PROCEDURES**

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Wear appropriate protective equipment (gloves, safety glasses) if in contact with spilled product.

CLEANUP PROCEDURES: Use absorbent materials, or wet-vacuum spillage and collect in plastic container for disposal. Clean surface thoroughly to remove residual contamination. Dispose of in accordance with local regulations.

ENVIRONMENTAL PRECAUTIONS: Small spill cleanup is not toxic to aquatic life.

#### **SECTION 7: HANDLING AND STORAGE**

Store in a cool, dry place, optimum 60-80 degrees F.

#### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS / THRESHOLDS: None.

ENGINEERING CONTROLS: None.

PERSONAL PROTECTIVE EQUIPMENT: Not needed for normal container handling. Keep containers closed. If spilled, use gloves and safety glasses.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Odor: Light orange, turbid, viscous liquid. Aroma of B-vitamins.

pH: 5.5 +/- 0.3, 20% solution, electrode method.

Boiling point/range: Boiling begins at 212 Degrees F

Flash Point: Does not flash below 212 Deg.F

Explosive properties: Not applicable.

Oxidizing properties: Not oxidizing.

Specific gravity: 30.6 +/- 0.3 g/fluid ounce.

Solubility (water, 20 Deg.C): Miscible with water.

### **SECTION 10: STABILITY AND REACTIVITY**

STABILITY:

Stable. Store in a cool, dry place, out of direct sunlight.

CONDITIONS TO AVOID:

Avoid temperature extremes.

MATERIALS TO AVOID:

None

HAZARDOUS DECOMPOSITION PRODUCTS:

None

### **SECTION 11: TOXICOLOGICAL INFORMATION**

Numerical Measures of toxicity:

Niacinamide, rat, oral, 4000mg/kg/day

Thiamine mononitrate. Mouse, oral, >5000mg/kg

Pyridoxine HCl, rat, oral, acute, 4000mg/kg

Calcium pantothenate, mouse, oral, acute, 10,000mg/kg

Riboflavin, rat, oral, >10,000mg/kg

Vitamin B12, rat, oral, >1000mg/kg

Acute and chronic effect: skin irritation, allergic response.

Related symptoms: None.

Routes of exposure: Oral, skin exposure.

**SECTION 16: OTHER INFORMATION**

Revision number: V1.0, prepared on 1/28/2016 FLHP

Label facsimile:

Research Associates Inc., PO Box 996 Bensenville, IL 60106 1-888-330-8387

Directions for Use: For emergency cases, administer first syringe immediately. Administer second syringe 24 hours later. Adjust time of second treatment to follow feeding time. Administer third syringe 48 hours after second treatment, also after feeding. Repeat if necessary. For Chronic Cases: Administer first syringe in the morning, after feeding. Administer second syringe 24 hours later, also after feeding. Administer third syringe 48 hours after second treatment, after feedings. Repeat monthly or as needed according to each individual, usually 2-6 weeks.

**AZOTUR<sup>TM</sup>**  
Tying Up. Net Contents 15cc

*Available through veterinarians only.*

**Ingredients:** Water, thiamine mononitrate, riboflavin, niacinamide, pyridoxine hydrochloride, d-calcium pantothenate, methyl paraben, propyl paraben, devils claw, sea cucumber, kelp, ginkgo biloba.

- For veterinary use only.
- Store in a cool place, keep from freezing.
- Do not exceed recommended dosage.
- Keep out of reach of children.

Lot # \_\_\_\_\_