

SAFETY DATA SHEETS

This SDS packet was issued with item:

078462712

N/A



Research Associates, Inc.

P.O. Box 996 • Bensenville, IL 60106
Toll Free: 888 • 330 • 8387 • Fax: 630 • 766 • 6000

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT NAME: AzoturX

DATE UPDATED: 10/3/07

PREP'D BY: Nick Cinquino

SECTION 1: PRODUCT IDENTIFICATION

Product Name: AzoturX
Synonyms: None
Research Associates Product #: 30005
Product Type: B-Complex supplement

SECTION 2: INGREDIENTS

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

NOTE: Ingredients are listed in order of decreasing concentration down to less than 1% w/w.

NOTE: Actual ingredient percentages are proprietary.

SECTION 3: PHYSICAL DATA

Appearance: Light orange, turbid, viscous liquid
Solubility: Miscible with water.
Odor: B-vitamin aroma
Boiling Point/Melting Point: Boiling begins at 212 deg. F.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: Does not flash below 212 F
Extinguishing Media: Water.
Other required equipment: Face mask.
Other Notes:

SECTION 5: TECHNICAL ASSISTANCE AND EMERGENCY INFORMATION

Contact: Nick Cinquino PHONE# 888-330-8387 8:00AM-4:30PM Central Time

SECTION 6: HEALTH HAZARD DATA

EYES: Vapor may be irritating to eyes. Use goggles if exposed to splashing from this product.
SKIN: May be irritating to skin. Use gloves and protective clothing if skin is exposed to AzoturX.
RESPIRATORY: Avoid breathing strong vapors. Use a vapor mask if exposed to vapors for long periods of time.

SECTION 7: CHEMICAL REACTIVITY DATA

STABILITY:

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

CONDITIONS TO AVOID:

Open flame, heat, sparks or other sources of ignition.

INCOMPATIBLE CHEMICALS:

N/A

HAZARDOUS DECOMPOSITION PRODUCTS:

N/A

CORROSIVE TO METALS?

Slight

SECTION 8: SPECIAL PROTECTION INFORMATION

PREVENTION:

Keep all containers sealed to prevent hazards

RESPIRATORY:

Use organic vapor mask if needed.

VENTILATION:

Not required

EYE:

Use goggles to protect from splashing.

CLOTHING:

Use protective clothing if in contact with material for extended periods.

SECTION 9: ENVIRONMENTAL PROTECTION

ENVIRONMENTAL TOXICITY DATA

N/A

SPILL AND LEAK PROCEDURES

Contain spill, soak into disposal media, dispose of properly.

WASTE DISPOSAL

Small quantities may be disposed down the drain with water.

SECTION 10: SHIPPING DATA

D.O.T. Shipping Name

Animal feed supplement NMFC

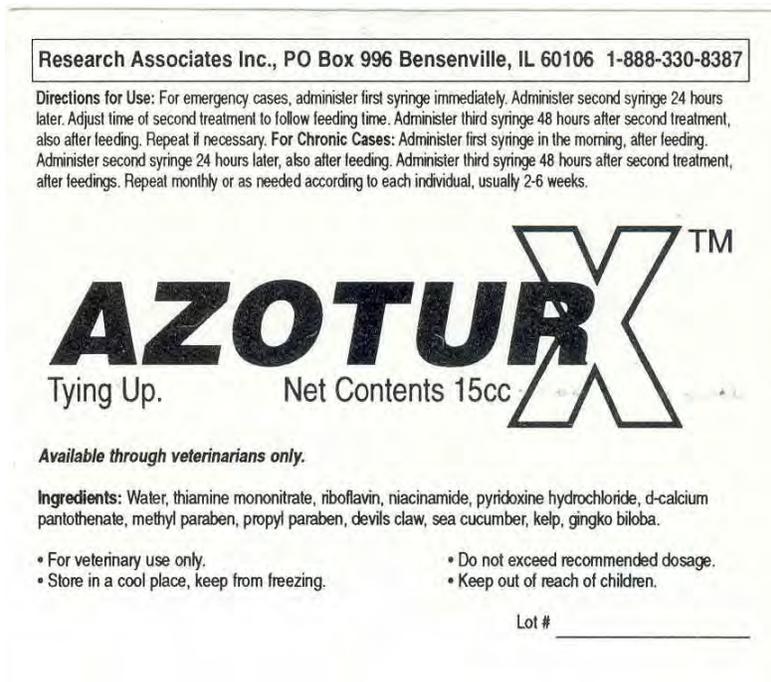
Bill Of Lading Description

Animal Feed NMFC

Special Labeling

N/A

SECTION 11: LABEL FACSIMILE





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SAFETY DATA SHEET (SDS)

SECTION 1: IDENTIFICATION

Product Name: **AzoturX**

Synonyms: None

Research Associates Product #: 30

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

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>Guaranteed Analysis</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 LD50:

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: Eye, skin irritation, allergic response.

Related symptoms: None.

Routes of exposure: Oral, skin exposure.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic or terrestrial toxicity tests: N/A

Potential for environmental persistence: N/A

Bioaccumulation potential: N/A

Adsorption or leaching studies: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate disposal container: Plastic containers/buckets, closed

Recommendation of appropriate disposal method: Use absorbents to transfer into plastic container.

Physical and chemical properties that may affect disposal method: Liquid.

Sewage disposal: Per local guideline/regulation.

Precautions for landfill or incineration: N/A

SECTION 14: TRANSPORT INFORMATION

UN number (4-digit ID): N/A
UN proper shipping name: N/A
Transport hazard class: N/A
Packing group no (based on degree of hazard): N/A
Environmental hazard (IMDG code): N/A
Bulk transport guidance (MARPOL): N/A
NMFC shipping: animal feed, 0607070-00
Additional special precautions: N/A

SECTION 15: REGULATORY INFORMATION

Any additional regional or national regulations specific to this product, not mentioned previously: N/A

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.

AZOTURTM
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 # _____