



Research Associates, Inc.

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SAFETY DATA SHEET (SDS)

SECTION 1: IDENTIFICATION

Product Name: **Hematocrit Iron and high B-complex nutrient**

Synonyms: None

Research Associates Product #: 34

Product Type: Oral liquid as an aid in the prevention of iron deficiency anemia.

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 blood parameters.

SECTION 2: HAZARD IDENTIFICATION

Warning: Irritating to eyes and mucous membranes. Keep out of reach of children.



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT LIST: Water, Ethyl alcohol, Ferrous sulfate, Citric acid, Xanthan gum, Niacinamide, d-Calcium pantothenate, Apple cider vinegar, Ascorbic acid, Sorbitol, Riboflavin, Thiamine mononitrate, Folic acid, Magnesium sulfate, Cyanocobalamin, Cobalt sulfate, Honey, Sucrose, Pyridoxine hydrochloride, Sodium benzoate, Saccharin, Biotin, Copper sulfate, Natural and artificial flavors.

<u>INGREDIENT</u>	<u>CONCENTRATION</u>	<u>CAS</u>
Honey	75mg/fl.oz	8028-66-8
Ethyl alcohol	0.9g/fl.oz.	64-17-5
Thiamine	80mg/floz	532-43-4
Pyridoxine	25mg/fl.oz.	58-56-0
Pantothenic acid	175mg/fl.oz.	137-08-6
Riboflavin	80mg/fl.oz.	83-88-5
Vitamin B12	100ug/fl.oz.	68-19-9
Niacin	175mg/fl.oz.	98-92-0
Copper	300ug/fl.oz.	7758-98-7
Cobalt	12mg/fl.oz.	10026-24-1
Iron	250mg/fl.oz.	7720-78-7

SECTION 4: FIRST AID MEASURES

EXPOSURE ROUTE	SYMPTOM	TREATMENT
Inhalation	Minimal respiratory impact	Bring to well ventilated area
Skin contact	Skin irritant	Wash with warm water for 15 minutes. Seek medical attention if irritation persists.
Eye contact	Irritating to eyes	Rinse eyes with cool water for 15 minutes. Seek medical attention if irritation persists.
Ingestion	Small quantity not harmful.	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.
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: Copper is toxic to aquatic life especially shrimp/crabs. Do not allow spills to reach lakes/rivers. Do not dispose of in drains.



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: Brownish orange, turbid, viscous aqueous solution, iron, B-vitamin and apple aroma.

pH: 2.9 +/- 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: 31.5 +/- 0.3 g/fl.oz

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:

Ethyl alcohol:	LD50 rat: 7,060 mg/kg
Honey:	N/A
Thiamine mononitrate	Mouse, oral, >5000mg/kg
Pyridoxine hydrochloride	rat, oral, acute, 4000mg/kg
d-Calcium pantothenate	mouse, oral, acute, 10,000mg/kg
Riboflavin	rat, oral, >10,000mg/kg
Vitamin B12	rat, oral, >1000mg/kg
Niacinamide	rat, oral, 4000mg/kg/day
Copper sulfate	LD50 (male rats) = 472 mg/kg
Cobalt sulfate	Oral, rat: LD50 = 424 mg/kg
Iron sulfate	oral (rat) LD50 value of 237 mg/kg

Acute and chronic effect: Eye and skin irritation, allergic response.

Related symptoms: None.

Routes of exposure: Oral, inhalation, skin exposure.

SECTION 16: OTHER INFORMATION

Revision number: V1.0, prepared on 1/29/2016 FLHP

Label facsimile:

Indications:
HEMATOCRIT™ Iron and High B Complex
 is used as an aid in preventing iron deficiency anemia.

Directions: Horses in training-2 oz. daily; Foals-1 oz. daily; Dogs-1 teaspoon for every 35 lbs. of body weight; Calves-1/2 oz. daily; Cats-1/2 teaspoon daily.


- Do not exceed recommended feeding instructions.
- For veterinary use only.
- Store at room temperature. Protect from freezing.
- Keep container sealed when stored.
- Keep out of reach of children.
- If conditions persist, consult a veterinarian.

INGREDIENTS: Water, Ethyl Alcohol, Ferrus Sulfate, Citric Acid, Xanthan Gum, Nicotinamide, D-Calcium Pantothenate, Apple Cider Vinegar, Ascorbic Acid, Sorbitol, Riboflavin, Thiamine Mononitrate, Folic Acid, Magnesium Sulfate, Cyanocobalamin, Cobalt Sulfate, Honey, Sucrose, Pyridoxine Hydrochloride, Sodium Bicarbonate, Saccharin, Biotin, Copper Sulfate, Natural and artificial flavors.

GUARANTEED ANALYSIS

Each Ounce Contains		Each Ounce Contains	
Net Less Than		Net Less Than	
Vitamin C	295 mg	Folic Acid	12 mg
Iron (Fe)	250 mg	Cobalt	12 mg
Niacin	175 mg	Biotin	1 mg
D-Pantothenic Acid	175 mg	Magnesium	0.3 mg
Thiamine (B1)	80 mg	Copper	300 mcg
Riboflavin (B2)	80 mg	Cyanocobalamin (B12)	150 mcg
Pyridoxine (B6)	25 mg		

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Research Associates, Inc.™

HEMATOCRIT™

PACKED CELL VOLUME

IRON AND HIGH B COMPLEX


**AS AN AID
IN THE PREVENTION
OF IRON DEFICIENCY ANEMIA**

**For Horses, Foals, Calves,
Dogs and Cats**


Net Volume 1 Liter (33.8 fl. oz.)

**Available through
Veterinarians only.**

Manufactured in the USA for:
Research Associates, Inc.
 PO Box 1000
 Bensenville, IL 60106



100% Satisfaction Guaranteed
 Satisfaction Guaranteed
 Call 800-338-8387 Mon-Fri
 9 a.m. to 4:30 p.m. Central Time



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