

SAFETY DATA SHEETS

This SDS packet was issued with item:

078082459

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

78082459



Research Associates, Inc.

P.O. Box 996 • Bensenville, IL 60106
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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

Actual ingredient percentages are proprietary, trade secret.

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 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 1/29/2016 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, Cobs-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, Ferrous 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 Benzoate, Saccharin, Biotin, Copper Sulfate, Natural and artificial Flavors.

GUARANTEED ANALYSIS

Each Ounce Contains		Each Ounce Contains	
Not Less Than		Not Less Than	
Vitamin C	200 mg	Folic Acid	10 mg
Iron (Fe)	230 mg	Cobalt	10 mg
Niacin	150 mg	Biotin	1 mg
D-Pantothenic Acid	175 mg	Magnesium	2.3 mg
Thiamine (B1)	80 mg	Copper	200 mcg
Riboflavin (B2)	80 mg	Cyanocobalamin (B12)	100 mcg
Pyridoxine (B6)	25 mg		

For Horses, Foals, Calves, Dogs and Cats

Net Volume 1 Liter (33.8 fl. oz.)

Available through Veterinarians only.

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

100% Satisfaction Guaranteed (Refund or Replacement)

Call 1-800-333-3333, ext. 1000

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