Product Name: Vitalize Product ID#: 0770

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Section I	MANUFACTURER'S IN	IFORMATION	
Manufacturer's Name And Addres Northwest Agricultural Products P.O. Box 3453 821 S. Chestnut Pasco, WA 99302			509-545-9329 509-545-9329 March 2, 2010 April 8, 2013
Section II	HAZARDOUS INGRED	IENTS	
MATERIAL COMPONENT	% EXPOSURE LIM		HAZARD DATA
Zinc sulfate* (CAS No. 7733-02-0)	ACGIH TLV 1.52 N/A	OSHA PEL N/A	Health
Ferrous sulfate CAS No. 7720-78-7)	0.14 1 mg/m3 1 (TWA	A)	Health
Manganese sulfate* CAS No. 7785-87-7)	0.45 5 mg/m3 2 (c)		Health
Copper sulfate CAS No. 7758-99-8)	0.40 1mg/m3	1mg/m3	Health
 Toxic chemical subject to authorization Act of 1986 		ts of Section 313 o	f Title III of the Superfund Amendments and re
Oot Class: Not Regulated 1) As Fe	(2) As Mn		(3) Ceiling
Section III	PHYSICAL DATA		
· · · · · · · · · · · · · · · · · · ·	ot known Evapo ark Brown Liquid, Sweet FIRE AND EXPLOSION	· · ·	Acetate=1) - Not known
Flash Point Auto Ignition (Test Method) N/A Flammable limits in Air, % by vol.: Extinguishing Media Special Fire Fighting Procedures Jnusual Fire and Explosion Hazar	Temperature N/A Lower N/A N/A	Upper	N/A
Section V	HEALTH AND HAZARI	DINFORMATION	
Chronic exposure may cause pneus KIN CONTACT: May caus SKIN ABSORPTION: None Known Kingestion May caus Ingestion Chroat, abdominal pain, lethargy, counter gastrointestinal and neuralgimore than 150 ml. (5 ounces) ma	e respiratory tract irritation umonia, liver damage, and e skin irritation. own . e eye irritation . may result in nausea, volonfusion , edema, leuko c symptoms and damage by be fatal. ROCEDURES	d neuralgic dama miting, diarrhea, blo cytosis, hyperglyce . Ingestion by a chil	pod in vomits and stools, burning pain in mouth and mia, acidosis, shock, liver and kidney damage, and ld of more than 60 ml. (2 ounces) or by an adult of
SKIN: Wash tho NHALATION: Remove t	ely flush with water for 15 roughly with water. o fresh air. If breathing is	difficult, contact a	physician.
NGESTION: Drink larg nduce vomiting. Contact a physicisusPECTED CANCER AGENT?		IIIK. FOIIOW WITH MILK	k of magnesia, beaten eggs or vegetable oil. Do not
XNO: This product's ingredi YES: Federal OSh		list below. IARC	Cal/ OSHA

NOTES TO A PHYSICIAN: Contains citric acid (6.8 %); pH 1.7. Ingestion of more than 0.5 ml of product per kg body weight may result in iron toxicity.

Section VI REACTIVITY DATA

STABILITY X Stable Unstable

INCOMPATIBILITY (Material to avoid) Avoid contact with strong alkaline materials such as caustic potash (sodium hydroxide) . Mildly corrosive to common metals.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:

THAZARDOUS DECOMPOSITION/COMBOSTION PRODUCTS.

Oxides of sulfur and zinc.

HAZARDOUS POLYMERIZATION: N/A

Section VII SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Neutralize with dilute alkaline solution and wash down

sewer if federal, state, and local regulations permit.

NEUTRALIZING CHEMICALS:
WASTE DISPOSAL METHOD:
Baking soda (sodium bicarbonate) , soda , ash or lime.
Follow all applicable federal, state and local regulations.

Section VIII EQUIPMENT

VENTILATION REQUIREMENTS:

Use general or local exhaust ventilation to meet TLV requirements.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: None required where appropriate ventilation conditions exist. If the TLV is exceeded, a self-contained

breathing apparatus is advised.

EYE: Safety goggles.

GLOVES: Acid- resistant gloves such as rubber or neoprene.

OTHER CLOTHING AND EQUIPMENT: Coats, coveralls or aprons are recommended.

Section IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS:

Avoid contact with skin, eyes or clothing. Do not ingest. Avoid inhalation of mists.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep lid tightly closed. Store in a dry area, above freezing and below 105° F, out of direct sunlight and way from strong alkalis. Keep out of reach of children.

SECTION X DOT INFORMATION AND DATE

DOT CLASSIFICATION: Not regulated DOT LABEL: None required

Prepared By: David W. Bergevin Original Date: July 16, 2004

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