

Product Name: Fortify
Product ID # 759

SECTION I MANUFACTURER'S INFORMATION

Name And Address:	Emergency Telephone Number:	509-547-8234
Northwest Agricultural Products	Number for Information :	509-547-8234
P.O. Box 3453	Date Prepared:	March 1,2010
821 S. Chestnut	Date Reviewed:	April 8, 2013
Pasco, WA 99302		

SECTION II HAZARDOUS INGREDIENTS

Material Components:	% Exposure Limits In The Air		Hazard Data
	ACGIH TLV	OSHA PEL	
Ferrous Sulfate Heptahydrate cas# 7782-63-0	2.2%		
	1 mg/m ³ (as Fe)	1 mg/m ³	
Copper Sulfate Pentahydrate cas# 7758-98-7	.5%		
	1 mg/m ³ (as Cu)	1 mg/m ³	Health
Manganese Sulfate Monohydrate cas# 10034-96-5	.84		
	5 mg/m ³ (as Mn)	5 mg/m ³	Health
Sodium Tetraborate Pentahydrate cas# 12179-04-3	.05		
	5 mg/m ³ (as B)	10mg/m ³	
Zinc Sulfate Monohydrate cas#7446-19-7	.40		
	15 mg/m ³ (as Zn)	15 mg/m ³	Health
(1) As Fe (2) As Mn (3) Ceiling			

SECTION III PHYSICAL DATA

Boiling Point, 760mm Hg.	100°C	Melting Point	N/A
Specific Gravity(H ₂ O=1)	1.19	Vapor Pressure	Not Known
Vapor Density(AIR=1)	Not Known	Solubility in H ₂ O,% by Wt.	Approx 98%
% Volatiles By Vol.	Not Known	Evaporation Rate	
		(Butyl Acetate=1)	Not Known
Appearance And Odor	Brown Liquid Sweet		

SECTION IV FIRE AND EXPLOSION DATA

Flash Point (Flash Method) - N/A	Auto ignition Temperature - N/A
Flammable Limits in Air, % By Vol.: Lower - N/A	Upper - N/A
Extinguishing Media - N/A	Special Fire Fighting Procedures - N/A
Unusual Fire And Explosion Hazard - N.A	

SECTION V HEALTH HAZARD INFORMATION

Symptoms of Overexposure Inhalation;
May cause respiratory tract irritation, nausea, vomiting, weakness, fever, chills and loss of appetite. Chronic exposure may cause pneumonia, liver damage and neurologic damage.

Skin Contact: May cause skin irritation .
Skin Absorption: None Known

Eye Contact: May cause eye irritation .

Ingestion: Ingestion may result in nausea, vomiting, diarrhea, blood in vomitus and stools, burning pain in the mouth and throat, and abdominal pain, lethargy, confusion edema, leukocytosis, hyperglycemia, acidosis, shock , liver and kidney damage, and other gastrointestinal and neurologic symptoms and damage. Ingestion by a child of more than 60ml.(2oz.)or by an adult of more than 150ml.(5oz.)may be fatal.

Emergency And First Aid Procedures:

Eyes: Immediately flush with water for 15 minutes, lifting eyelids to flush thoroughly.

Skin: Wash thoroughly with water.

Inhalation:Remove to fresh air. If breathing is difficult, contact a physician.

Ingestion: Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Do not induce vomiting. Contact a physician.

Suspected Cancer Agent? ☒ - No ☐ - Yes

This product's ingredients are not found in the lists below.

☐ Federal OSHA ☐ NTP ☐ IARC ☐ Cal/OSHA

Medical Conditions Aggravated by Exposure: Hemochromatosis.

Notes to Physician: Contains citric acid (6.8%);pH 1.7. Ingestion of more than 0.5ml. of product per kg. of 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 (potassium hydroxide) and caustic soda (sodium hydroxide). Mildly corrosive to common metals.

Hazardous Decomposition/Combustion Product - 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 - Baking soda(Sodium Bicarbonate), soda, ash or lime.

Waste Disposal Method - Follow all applicable Federal, State and local regulations

SECTION VIII SPECIAL PROTECTION INFORMATION

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 away from strong alkalis. Keep out of reach of children.

PREPARED BY: Alan Wicks

ADDRESS: NAP CHEMICAL
821 S. CHESTNUT
PASCO, WA.99301

DATE PREPARED: July 22, 2008

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