

Product Name: MPA Row Crop
Product ID # 70

Section I MANUFACTURER'S INFORMATION

Manufacturer's Name And Address

NAP Chemical	Emergency Telephone Number:	509-547-8234
821 S. Chestnut	Number for Information:	509-547-8234
Pasco, Wa. 99301	Date Prepared:	January 10, 1992

Section II HAZARDOUS INGREDIENTS

MATERIAL COMPONENT	% EXPOSURE LIMITS IN AIR		HAZARD DATA
	ACGIH TLV	OSHA PEL	
Zinc sulfate* (CAS No. 7733-02-0)	5.2	N/A	Health
Ferrous sulfate (CAS No. 7720-78-7)	0.5	1 mg/m3 1 (TWA)	Health
Maganese sulfate* (CAS No. 7785-87-7)	1.0	5 mg/m3 2 (c)	Health
Copper sulfate (CAS No. 7758-99-8)	2.0	1mg/m3 1mg/m3	Health

* Toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and re authorization Act of 1986 and 40 CFR Part 372.

Caustic Mixture	N.D.	(1) As Fe (2) As Mn N.D.	(3) Ceiling N/A
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PRODUCT INFORMATION

Chemical Name: Plant Nutritional Activator
 Chemical Family: Carboxyl/Phenolic Acids & Amino Acids
 Formula: Property Organic Formulation
 NFPA/HMIS: Health-2 Fire-0 Reactivity-0

Section III PHYSICAL DATA

BOILING POINT , 760 MM HG	100 °	MELTING POINT	N/A
SPECIFIC GRAVITY (H2O=1)	1.126	VAPOR PRESSURE	Not known
VAPOR DENSITY (AIR=1)	Not known	SOLUBILITY IN H2O, %BY WT.	
		APPROX	98%
% VOLATILES BY AND ODOR	Not known	EVAPORATION RATE (BUTYL ACETATE=1)	Not known
APPEARANCE AND ODOR		Dark Brown Liquid	

Section IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST 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 AND 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 mouth and throat, abdominal pain, lethargy, confusion, edema, leukocytosis, hyperglycemia, acidosis, shock, liver and kidney damage, and other gastrointestinal and

