

Product Name: Roots Charged
Product ID # 79

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address
 NAP Chemical
 821 S. Chestnut
 Pasco, Washington 99301

Emergency Telephone Number: 509-547-8234
 Number for Information: 509-547-8234
 Date Prepared: January 20, 1996

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Non-Hazardous Components-

	TLV	Units
Humic Acids.....	5.00%	
Sarsasaponin	1.00%	(USP)(Food-Grade)
Spirostant (Organic Wetting Agent Extract).....	2.00%	(USP)(Food-Grade)

Hazardous Components-
 Contains - 25% Citric Acid CAS: 5949-29-1 (USP)(Food-Grade)

****PRODUCT INFORMATION****

Chemical Name: Plant Nutritional Activator/Soil Amendment
 Chemical Family: Humic Acids & Plant Extractions
 Formula: Proprietary Organic Formulation
 NFPA/HMIS: Health -1, Fire-0, Reactivity-O

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	-212 F	Specific Gravity (H2O-1)	-1.066
Vapor Pressure (mm Hg.)	-17.5 mm	Melting Point	-N/A
Vapor Density (AIR-1)	-20°C=20.7	Evaporation Rate	-N/A
Appearance and Odor	-Dark Blackish Brown Liquid; slight odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (method use) -N/A Flammable Limits -N/A
 Extinguishing Media -Non Flammable Unusual Fire and Explosion -N/A
 Special Fire Fighting Procedures - Non Flammable

SECTION V REACTIVITY DATA

Stability - Conditions to avoid- None known
 Stable - X
 Incompatibility (Materials to Avoid) - None Known
 Hazardous Decomposition or by-products - None Known
 Hazardous Polymerization - Will not Occur - X
 Conditions to Avoid- Keep out of Reach of Children, Avoid contact with eyes.

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? No Skin? No Ingestion? No
 Health Hazards (Acute and Chronic)- Contains Caustic mixture. May be harmful if swallowed- if ingested dilute with large quantities of water or milk. Further dilution possible with diluted vinegar of fruit juice.
 Carcinogenicity: NIP - No IARC Monographs - No OSHA Regulated - No
 Signs and Symptoms of Exposure - None
 Medical Conditions Generally aggravated by Exposure- None
 Emergency and first aid procedures - Contact a physician immediately.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

EYES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with large volumes of water.

WASTE DISPOSAL METHOD:

Bury in an approved sanitary landfill, in accordance with federal, state and local regulation.

GROUND

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wash with water. This product is water soluble, biodegradable, non-polluting, non-toxic to water and soil, roots and plants. Through bacterial systems residues are not a problem, this is an organic product.

WASTE DISPOSAL METHOD:

Safe to wash into waste systems.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type) - None
Ventilation -Local Exhaust -None Special -None
 -Mechanical(General) -None Other -None

Protective Gloves- Rubber Gloves
Eye Protection - Safety Goggles
Other Protective Clothing or Equipment- Protective Apron
Work/Hygienic Practices- Use good housekeeping practices

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 Pasco, WA 99301
DATE: January 20, 1996

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