



# Material Safety Data Sheet

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Product Name: First Choice T-PA Dry Soluble

MSDS Number: NAN 302

## Section 1 - Chemical Product and Company Identification

**Product Name:** First Choice T-PA Dry Soluble

**Material Uses:** Fertilizer additive

**Manufactured For:** Western Farm Service, Inc., P. O. Box 1168, Fresno, CA 93715-1168

Phone (559) 436-2800 8am – 5pm M-F PT FAX (559) 436-2953 CHEMTREC (800) 424-9300 24 hours every day

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	%
Copoly-{(carboxypropionamide)(2-(carboxymethyl acetamide))}as Sodium Salt (AKA L-aspartic acid, homopolymer, sodium salt)	34345-47-6	90%

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

**Inhalation:** Not a likely route of exposure.

**Eye:** Not known to produce irritation.

**Skin:** Not known to produce irritation.

**Ingestion:** Not known to be harmful. May cause nausea, vomiting and diarrhea.

**Note:** This substance is not a hazardous chemical under the OSHA Communication Standard, 29 C.F.R. 1910.1200.

## Section 4 - First Aid Measures

**Eye Contact:** Immediately flush with water for a minimum of 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Flush with large amounts of water. Use soap if available. Launder clothing prior to reuse.

**Ingestion:** Do not induce vomiting. Give large quantities of water. Contact a physician.

**Inhalation:** Remove to fresh air.

## Section 5 - Fire-Fighting Measures

**Flash Point:** None (PMCC)

**Flammable Limits:** Not applicable

**Autoignition Temperature:** Not available

**Extinguishing Media:** Water spray or any Class A extinguishing agent.

**Fire-Fighting Instructions:** Fire fighters and others who may be exposed to dust or products of combustion must wear full protective clothing and self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Dispose of in accordance with applicable federal, state and local regulations. Do not blow material. Use Vacuum equipment designed specifically for handling combustible dusts. Product itself is classified as a non-hazardous polymer waste for disposal purposes.

## Section 7 - Handling and Storage

**Storage Requirements:** Store product at ambient temperatures. Keep containers closed.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** General ventilation is adequate.

**Respiratory Protection:** Not required under normal use and conditions.

**Protective Clothing/Equipment:** Eye protection: Chemical goggles

Hand protection: Butyl rubber or PVC gloves

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid  
**Appearance:** Golden

**pH (40% solution):** 8.0 – 9.5  
**Solubility in water:** Very soluble in water  
**Flash Point:** None  
**LogPow:** <3

## Section 10 - Stability and Reactivity

**Stability:** This product is stable.

**Chemical Incompatibilities and Conditions to Avoid:** Possible interactions with strong oxidizers.

## Section 11- Toxicological Information

### Toxicity Data:\*

**Eye Irritation (Rabbit):** Non-irritant

**Dermal Irritation (Rabbit):** Non-irritant

**Acute Oral LD50 (Rat):** >5000 mg/Kg (non-toxic – limit test, no mortality)

**Acute Inhalation LC50 (Rat):** >5.1 mg/l (4-hour – limit test, no mortality)

\* See NIOSH, RTECS on listed ingredients for additional toxicity data.

## Section 12 - Ecological Information

**Ecotoxicity:** This product is regarded as inherently biodegradable under OECD guidelines.

**Aquatic Toxicity:** Data for product as 40% solution in water:

### Fresh Water

Water Fleas ( <i>Daphnia pulex</i> ):	48 hr LC50:	1792 mg/l
Fathead minnow:	48 hr LC50:	2117 mg/l
Algae ( <i>Selenastrum capricornutum</i> ):	96 hr NOEC:	62 mg/l, LOEC: 125 mg/l

### Sea Water

Algae ( <i>Skeletonema costatum</i> ):	72 hr LC50	> 1000 mg/l
Juvenile Turbot ( <i>Scophthalmus maximus</i> ):	96 hr LC50	> 1000 mg/l
Crustacean ( <i>Acartia tonsa</i> ):	48 hr LC50	> 2000 mg/l

## Section 13 - Disposal Considerations

**Disposal:** Material is classified as a non-hazardous polymer waste for disposal purposes. Contact a licensed chemical waste hauler to ensure proper disposal.

## Section 14 - Transportation Information

**HAZARD CLASS:** This material is classified as non-hazardous under Department of Transportation regulations.

**OTHER AGENCIES:** United Nations: This material is not classified for transportation.

## Section 15 - Regulatory Information

### EPA Regulations:

**Reportable Quantity –CERCLA:** Not reportable.

**SARA Title III (EPCRA):** 311/312 Hazard Categories: Non-hazardous  
313 Reportable Ingredients: None

**TSCA:** This product and its components are listed on the TSCA Inventory.

**EINECS:** All monomers, reactants and other components are listed on EINECS.

**EPA National Response Center (800) 424-8802**

**Section 16 - Other Information**

**Preparation Date:** April 2, 2008

**Prepared By:** *D.M. Dunbar, R3 Ag Consulting, LLC*

**Revision Date:**

**Revision Notes:**

**NOTICE TO READER:** THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET ("MSDS") RELATES ONLY TO THE SPECIFIC PRODUCT(S) DESIGNATED HEREIN (THE "PRODUCT"). THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CURRENT AND CORRECT AS OF THE DATE OF THIS MSDS, AND OBTAINED FROM SOURCES THAT ARE BELIEVED TO BE RELIABLE. HOWEVER, THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATIONS OR LICENSE OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO ACCURACY, CORRECTNESS OR COMPLETENESS, AND NEITHER (WESTERN FARM SERVICE, INC.) NOR ITS MARKETING AFFILIATES (EACH, A "SELLER") ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME.