

# Safety Data Sheet

## Shelter Plus

### **1. Chemical Product and Company Information**

Manufacturer or Formulator: Ag Plus Cooperative                      Product Name: *Shelter Plus*  
1100 E. Main Street, Marshall, MN 56258  
Common Name: Long chain poly amino polymer  
Chemical Type: Phosphorus additive for liquid phosphate fertilizers  
Telephone: 1-507-532-9686  
24- Hour Emergency Telephone #: Chemtrec 1-800-424-9300

### **2. HAZARDS IDENTIFICATION**

Not considered hazardous under HCS 2012 (29 CFR1910-1200)

#### POTENTIAL HEALTH EFFECTS:

Inhalation: Not a likely route of exposure.

Eye contact: Not known to produce irritation.

Skin contact: Not known to produce irritation.

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

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Active Ingredient

Copoly-[(3-carboxypropionamide)(2-(carboxymethyl)acetamide)], sodium salt (CARPRAMID);  
CAS No.: 34345-47-6;                      % by weight: 38.2%

### **4. FIRST AID MEASURES**

INHALATION: Remove to fresh air.

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.

### **5. FIRE FIGHTING MEASURES**

FLASH POINT:    None (PMCC)

FLAMMABLE LIMITS:    Not applicable

AUTOIGNITION TEMPERATURE:    Not available

GENERAL HAZARD: This product would not be expected to burn unless all water has evaporated or boiled away.

FIRE FIGHTING INSTRUCTION: Use extinguishing media appropriate for surrounding materials.

## **6. ACCIDENTAL RELEASE MEASURES**

Contain spill with an absorbent material. Dispose of in accordance with applicable federal, state and local regulations. Product itself is classified as a non-hazardous polymer waste for disposal purposes.

## **7. HANDLING AND STORAGE**

Store product at above freezing temperatures. Keep containers closed.

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

ENGINEERING CONTROLS: General ventilation is adequate.

PERSONAL PROTECTION:

Respiratory protection: Not required under normal use and conditions.

Eye protection: Chemical Resistant (splash-proof) goggles

Hand protection: Butyl rubber gloves

## **9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

Color/Form:	Amber liquid	Freeze point:	-10 to -20° C
pH:	4.5-6.5	Solubility:	Very soluble in water
Specific gravity:	1.22-1.25	LogPow:	< 3
Flash point:	None		
Concentration:	38.2% by weight		

## **10. STABILITY AND REACTIVITY**

GENERAL: This product is stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Possible interactions with strong oxidizers.

## **11. TOXICOLOGICAL INFORMATION**

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)

Eye Irritation (Rabbit): Non-irritant

Dermal Irritation (Rabbit): Non-irritant

## **12. ECOLOGICAL INFORMATION**

This product is regarded as inherently biodegradable under OECD guidelines.

Ecotoxicity – Fresh Water

Water Fleas (*Daphnia pulex*) 48 hr LC50: 1792 mg/l

Fathead minnow 48 hr LC50: 2117 mg/l

Algae (*Selenastrum capricornutum*): 96 hr NOEC: 62 mg/l, LOEC: 125 mg/l

## **13. DISPOSAL INFORMATION**

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

#### **14. TRANSPORT INFORMATION**

US DOT: This material is classified as non-hazardous under Department of Transportation regulations.

UNITED NATIONS: This material is not classified for transportation.

#### **15. REGULATORY INFORMATION**

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

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

CERCLA: Not reportable.

SARA Title III:

311/312 Hazard Categories: Non-hazardous

313 Reportable Ingredients: None

EUROPEAN INFORMATION: Non-hazardous material.

#### **16. OTHER INFORMATION**

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