

## **Safety Data Sheet: Greene County Fertilizer Company**

### **Section 1 Identification of the Substance or mixture and of the supplier**

- 1.1. Product identifier: CAPTIV8 PRO™
- 1.2. Chemical description: Blend of 50% solution of non- ionic polyols and 50% polymers  
Relevant identified uses of the substance or mixture and uses advised against  
recommended use: Industrial uses.
- 1.3. Manufacturer / Supplier Details:  
GREENE COUNTY FERTILIZER COMPANY, INC. • P.O. BOX 1346 • GREENSBORO, GA 30642
- 1.4. Emergency Phone: 855-606-3378  
24 HOUR EMERGENCY NUMBER/CHEMTREC (USA): 1-800-424-9300  
Poison Control Center (USA): 1-800-222-1212

### **Section 2 Hazards Identification**

- 2.1 Classification of the substance or mixture  
Following GHS and EC regulation criteria 1272/2008 (CLP)  
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
Adverse physicochemical, human health and environmental effects: No other hazards
- 2.2. Label elements  
Symbols: None  
Hazard statements: None  
Precautionary statements: None  
Special Provisions: None  
Special provisions according to Annex XVII of REACH and subsequent amendments: None
- 2.3. Other hazards: vPvB Substances: None - PBT Substances: None  
Other Hazards: No other hazards

### **Section 3 Composition / Information on Ingredients**

- 3.1. Substances: N.A.
  - 3.2. Mixtures: Hazardous components within GHS Classification and the meaning of EEC directive 67/548 and CLP regulation and related classification. No ingredients to be listed.
- Composition is: Proprietary. There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

### **Section 4 First Aid Measures**

- 4.1. Description of first aid measures. IN CASE OF EYE CONTACT: Wash with plenty of water and soap. In case of eyes contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. IN CASE OF INGESTION: Do not under any circumstances induce vomiting. Seek immediately medical advice. IN CASE OF INHALATION: Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed. Not known.
- 4.3. Indication of any immediate medical attention and special treatment needed.  
Treatment: Not known.

### **Section 5 Fire Fighting Measures**

- 5.1. Extinguishing media. Suitable extinguishing media: Water. Carbon dioxide (CO2). Extinguishing media which must not be used for safety reasons: Not known.
- 5.2. Special hazards arising from the substance or mixture. Do not inhale explosion and combustion gases.
- 5.3. Advice for firefighters. Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## **Section 6 Accidental Release Measures**

- 6.1. Personal precautions, protective equipment and emergency procedures. Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
- 6.2. Environmental precautions. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible Authorities.
- 6.3. Methods and material for containment and cleaning up. Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.
- 6.4. Reference to other sections.

## **Section 7 Handling and Storage**

- 7.1. Precautions for safe handling. Avoid contact with skin and eyes, inhalation of vapours and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities. Keep away from food, drink and feed. Instructions as regards storage premises: Adequate ventilation in working area. Packaging suggested: Plastic drums.
- 7.3. Specific end use(s): None in particular

## **Section 8 Exposure Controls / Personal Protection**

- 8.1. Control parameters. No occupational exposure limit available. DNEL Exposure Limit Values. N.D. PNEC Exposure Limit Values. N.D.
- 8.2. Exposure controls. EYE PROTECTION: Use close fitting safety goggles. (ref. EN 166, EN 140, EN175). PROTECTION FOR SKIN: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. (ref. EN 340). PROTECTION FOR HANDS: Chemical-resistant protective gloves (EN 374). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). As general indication we suggest as suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) and suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances-mixtures. RESPIRATORY EQUIPMENT: Use adequate protective respiratory equipment. (ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405). Thermal Hazards: None. Environmental exposure controls: None.

## **Section 9 Physical and Chemical Properties**

Information on basic physical and chemical properties

9a Physical State: Liquid	9i Flammability: N.D.	9r Decomposition Temperature: N.D.
9b Odor: Slight	9j Explosive Limits: N.D.	9s Viscosity: N.D.
9c Odor Threshold: N.D.	9k Vapor Pressure: N.D.	9t Explosive properties: N.D.
9d pH: 7.0 – 9.5 (as supplied)	9l Vapor Density: N.D.	9u Oxidizing properties: N.D.
9e Melting/Freezing Point: N.D.	9m Relative Density: 1.2-1.4	9v Miscibility: N.D.
9f Boiling Point Range: 212°F (approx. 100°C)	9n Solubility in water: Soluble	9w Fat Solubility: N.D.
9g Flash Point: >212°F(<100°C)	9o Solubility in oil: N.D.	9x Conductivity: N.D.
9h Evaporation Rate: N.D.	9p Partition Coefficient: n-octanol/water	9y Osha Flammability: None
	9q Auto Ignition Temperature: N.D.	

## **Section 10 Stability and Reactivity**

Under normal conditions

10a Reactivity: Stable	10c Possibility of Hazardous Reactions: Stable	10e Incompatible Materials: N/A
10b Chemical Stability: Stable	10d Conditions to Avoid: Stable	10f Hazardous Decomposition Products: N/A

## **Section 11 Toxicological Information**

10a Reactivity: Stable	10c Possibility of Hazardous Reactions: Stable
10b Chemical Stability	10d Incompatible Materials: N/A

## **11.1. Information on toxicological effects**

Toxicological information of the mixture:

- a) acute toxicity: Toxicity Oral Rat LD50> 2000 mg/kg. - Based on components.
- b) skin corrosion/irritation: Irritation Skin: repeated and prolonged contacts may cause slight irritation.
- c) serious eye damage/irritation: Irritation Eye: repeated and prolonged contacts may cause slight irritation.
- Other: N.D.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.D.: a) acute toxicity; b) skin corrosion/irritation; c) serious eye damage/irritation; d) respiratory or skin sensitization; e) germ cell mutagenicity; f) carcinogenicity; g) reproductive toxicity; h) STOT-single exposure; i) STOT-repeated exposure; j) aspiration hazard. CARCINOGENIC: Not Carcinogenic IARC\NTP\OSHA.

## **Section 12 Ecological Information**

12.1. Toxicity. Ecological information of the mixture: a) Aquatic acute toxicity: EC50/LC50 > 100 mg/l - aquatic species (according to the criteria of the CLP Regulation).

12.2. Persistence and degradability. Ecological information of the mixture: Biodegradability: The water dispersed polymers typically show low biodegradability (< 10%) but they have no environmental concern due to the negligible bioaccumulation (log Pow <3) and can be easily removed in water treatment plants.

12.3. Bio accumulative potential. Ecological information of the mixture: Bioaccumulation: Data not available.

12.4. Mobility in soil. Ecological information of the mixture: Mobility in soil: Data not available.

12.5. Results of PBT and vPvB assessment. vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects: None

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

## **Section 13 Disposal Considerations**

13.1. Waste treatment methods. If possible, recover the product, otherwise dispose of in authorized landfill or incineration in accordance with local regulation.

DO NOT CONTAMINATE LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR ANY OTHER BODIES OF WATER BY DISCHARGE OF EFFLUENTS OR WASHWATERS. DISPOSE OF WASTE EFFLUENTS ACCORDING TO STATE AND LOCAL REGULATIONS.

## **Section 14 Transport Information**

14a UN Number: N/A

14c Transport Hazard Class(es): US DOT, Road (ADR), Air (ICAO/IATA), Sea (IMO/IMDG): Not regulated

14d Packing Group: N/A

14f Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code

14b UN Proper Shipping Name: N/A

14e Environmental Hazards: NONE

14g Special Precautions: NONE

## **Section 15 Regulatory Information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE.Regulation (CE) n. 1907/2006 (REACH). For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide. Refer to other local regulations that may be relevant (i.e. : sanitary control, waste treatment etc.)

15.2. Chemical safety assessment: No

Regulatory information USA: HMIS INFORMATION HAZARD INDEX: 4 = SEVERE. HEALTH 1 3 = SERIOUS. FLAMMABILITY 0 2 = MODERATE. REACTIVITY 0 1 = SLIGHT. PERSONAL PROT. B 0 = MINIMAL. B\* Safety glasses, gloves. n Name CAS TSCA CERCLA Sara302 Sara313. 0 Polycarboxylic acid, - Yes No No No. 1 Water - Yes No No No. SARA Title III Section 311/312: Non-hazardous. State Regulations: N/A.

Canadian Regulations: All the ingredients as such or as chemical group are registered in DSL. Canadian WHMIS Classification: Non-hazardous.

California Proposition 65: Not cited (all components).

N.A. = Not Applicable

N.D. = No Data available

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases; NIOSH - Registry of toxic effects of chemical substances (1983) - Occupational Health Guidelines for Chemical Hazards (1995) - Pocket Guide to Chemical Hazards (on line) European Chemical Bureau - ESIS: European chemical Substances Information System; CESIO - Classification and labelling of anionic, nonionic surfactants (January 2000). M.Sittig-Handbook of toxic and Hazardous Chemicals and Carcinogens- III Ed. E.R. Plunkett - Handbook of Industrial Toxicology - III Ed. 1991. Samson Chem. Pub.-Chemical Safety Sheet working safely with hazardous chemical. SAX'S Dangerous Properties of Industrial Materials. VIII (1993) ACGIH "2013 TLVs and BEIs". ILV "1998/24/EC Directive and subsequent addition". The product must be stored, handled and used according to criteria of good industrial practice and to regulations in force. This leaflet is offered for your consideration and guidance only. This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue. Due to the several ways in which the product may be used and the possible interaction with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our products. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service (division of the American Chemical Society). CLP: Classification, Labeling, Packaging. DNEL: Derived No Effect Level. EINECS: European Inventory of Existing Commercial Chemical Substances. GefStoffVO: Ordinance on Hazardous Substances, Germany. GHS: Globally Harmonized System of Classification and Labeling of

Chemicals. IATA: International Air Transport Association. IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA). ICAO: International Civil Aviation Organization. ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO). IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients. KSt: Explosion coefficient. LC50: Lethal concentration, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LTE: Long-term exposure. PNEC: Predicted No Effect Concentration. REACH: Registration Evaluation and Authorization of Chemicals. RID: Regulation Concerning the International Transport of Dangerous Goods by Rail. STE: Short-term exposure. STEL: Short Term Exposure limit. STOT: Specific Target Organ Toxicity. SVHC: Candidate List of Substances of Very High Concerns. TLV: Threshold Limiting Value. TWATLV: Threshold Limit Value for the Time Weighted Average 8-hour day. (ACGIH Standard). WGK: German Water Hazard Class. ASTM: American Society of Testing and Materials. CBI: Confidential Business Information. CFR: Code of Federal Regulations. DOT: Department of Transportation. EPA: Environmental Protection Agency. EU: European Union. FIFRA: Federal Insecticide, Fungicide and Rodenticide Act. HCS: Hazard Communication Standard. IARC: International Agency for Research on Cancer. IUPAC: International Union of Pure and Applied Chemistry. mg/kg: Milligram per kilogram. MSDS: Material Safety Data Sheet. NAFTA: North American Free Trade Agreement. OSHA: Occupational Safety and Health Administration. OECD: The Organization for Economic Cooperation and Development. QSARs: Quantitative Structure-Activity Relationships. TSCA: Toxic Substances Control Act. UN: United Nations. WHMIS: Workplace Hazardous Materials Information System.

## **Section 16 Other Information Including Information on Preparation and Revision of the SDS**

- **THIS SDS REVISED 02/02/25**

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