

# SAFETY DATA SHEET



## 1. IDENTIFICATION

<b>Product identifier</b>	ProAct [ABNs: EMPLOY, N-HIBIT, MESSENGER GOLD, INCEPTIVE]	
<b>Other means of identification</b>	PHC-002	
<b>Product registration number</b>	EPA Reg. No. 71771-3	
<b>Recommended use</b>	Ag Product / Pro Product – Crop Protection	
<b>Recommended restrictions</b>	None known	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer / Company name</b>	Plant Health Care, Inc.	
<b>Address</b>	Suite 216, 242 South Main Street Holly Springs, NC, 27540	
<b>Telephone</b>	1-800-421-9051 919-926-1600	
<b>E-mail</b>	<a href="mailto:info@planthealthcare.com">info@planthealthcare.com</a>	
<b>Emergency phone number</b>	National Pesticide Information Center (6:30 AM to 4:30 PM Pacific Time, seven days a week.) During other times, call poison control center	1-800-858-7378  1-800-222-1222
<b>Supplier</b>	Not available	

## 2. HAZARDS IDENTIFICATION

<b>Physical hazards</b>	Not classified	
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
<b>Environmental hazards</b>	Not classified	
<b>OSHA defined hazards</b>	Not classified	
<b>Label elements</b>		



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Harmful if inhaled (H332)
<b>Precautionary statement</b>	
<b>Prevention</b>	Avoid breathing dust or spray mist. Use only outdoors or with adequate ventilation. (P261+P271)
<b>Response</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help. (P304+P340+P317)
<b>Storage</b>	See Section 7.
<b>Disposal</b>	See Section 13.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental Information</b>	None.

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

**Formulated as a wettable dry granule (WDG)**

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>% by weight</b>
Maltodextrin	CAS No. 9050-36-6	78.5-92
Sodium Thiosulfate	CAS No. 7772-98-7	2-5
Dipotassium phosphate	CAS No. 7758-11-4	0.5-1

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

<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
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### **5. FIRE FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Unknown
<b>Specific hazards arising from the chemical</b>	Unknown
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Firefighting equipment / instructions</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved (or equivalent) and full protective gear.
<b>Specific Instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

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### **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment, and emergency procedures</b>	Use personal protective equipment as required. Avoid creating dust. Avoid breathing dust. See Section 12 for additional Ecological Information. Discharge into the environment must be avoided. Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	Methods for Containment: Sweep up and shovel into suitable containers for disposal. Methods for Clean-Up: Sweep up with a minimum of dusting. Dispose of in accordance with federal, state and local regulations.
<b>Environmental precautions</b>	See Section 12 for additional Ecological Information. Discharge into the environment must be avoided. Do not let product enter drains.

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## **7. HANDLING AND STORAGE**

<b>Precautions for sale handling</b>	Avoid contact with skin, eyes or clothing. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from sunlight. Protect from moisture. Keep away from heat. Do not contaminate water, food, or feed by storage or disposal.
<b>Incompatible Materials</b>	Strong oxidizing agents.

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

<b>Occupational exposure limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Showers. Eyewash stations. Ventilation systems.
<b>Skin protection</b>	Wear long-sleeved shirt and long pants, shoes and socks.
<b>Hand protection</b>	Wear waterproof gloves for early entry to treated areas.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N99(US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary
<b>General hygiene considerations</b>	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

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

<b>Appearance</b>	
<b>Physical state</b>	Solid
<b>Form</b>	Granules
<b>Color</b>	Off-white to tan
<b>Odor</b>	No discernable odor
<b>Odor threshold</b>	Not determined
<b>pH</b>	7.5-8.5
<b>Melting point/freezing point</b>	Not applicable

<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flashpoint</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not applicable
<b>Flammability limit – upper (%)</b>	Not applicable
<b>Explosive limit – lower (%)</b>	Not applicable
<b>Explosive limit – higher (%)</b>	Not applicable
<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Solubility in water</b>	Soluble in water
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Viscosity temperature</b>	Not applicable
<b>Other information</b>	
<b>Density</b>	0.45-0.55 g/mL
<b>Explosive properties</b>	Not explosive
<b>Kinematic viscosity</b>	Not applicable
<b>Oxidizing properties</b>	Not oxidizing
<b>Specific gravity</b>	Not available

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## **10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Keep out of reach of children.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known based on information supplied.
<b>Polymerization</b>	Will not occur.

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## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

<b>Inhalation</b>	Avoid inhalation of dust.
<b>Skin contact</b>	Avoid contact with skin.
<b>Eye contact</b>	Avoid contact with eyes.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Symptoms related to physical, chemical, and toxicological characteristics</b>	Please see section 4 of this SDS for symptoms.

### **Information on toxicological effects of ProAct**

<b>Acute</b>	<b>Species</b>	<b>Test Results</b>
<b>Oral, Solid LD50</b>	Rat	> 5050 mg/kg.
<b>Dermal, Solid LD50</b>	Rat	> 5050 mg/kg.
<b>Inhalation, Solid LC50</b>	Rat	> 0.832 mg/L (no deaths).
<b>Eye Contact</b>	Rabbit	Minimally irritating.
<b>Skin Contact</b>	Rat	Slightly irritating.
<b>Skin Sensitization</b>	--	Not likely to be allergenic

<b>Germ cell mutagenicity</b>	No data available to indicate product or any components are mutagenic or genotoxic.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Carcinogenicity</b>		
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Not listed.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>	Not listed.	
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	Not listed.	

#### Information on toxicological effects of Sodium Thiosulfate (CAS No. 7772-98-7)

<b>Acute</b>	<b>Species</b>	<b>Test Results</b>
<b>Oral, Solid LD50</b>	Rat	> 5,000 gm/kg bw. EPA Category IV, Very Low Toxicity

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Component Information</b>	<b>Sodium Thiosulfate (CAS No. 7772-98-7)</b> Western mosquitofish ( <i>Gambusia affinis</i> ) 96-hr LC50; static: 24000 mg/L
<b>Persistence and degradability</b>	Not determined.
<b>Bioaccumulative potential</b>	Not determined.
<b>Mobility in soil</b>	Not determined.
<b>Other adverse effects</b>	Not determined.

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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.
<b>Disposal regulations</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Storage and Disposal on container label).
<b>Contaminated packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

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## 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification / Labeling Requirements</b>	Not regulated as dangerous goods.
<b>IATA and IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.</b>	Not established

**15. REGULATORY INFORMATION**

**US federal regulations**

**Toxic Substances Control Act (TSCA)** All components are listed on or exempted from the U.S. EPA TSCA Inventory List

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**SARA 304 Emergency release notification** Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA).**

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 311/312 Hazardous** Not listed.

**SARA 313 (TRI reporting)** Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** Not regulated.

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)** Not regulated.


**Safe Drinking Water Act (SDWA)** Not regulated.

**FIFRA Information** This is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**Signal word** CAUTION

**Hazard statement** PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION AND LAST REVISION**

<b>Issue date</b>	March 15, 2024	
<b>Version #</b>	02	
<b>NFPA ratings</b>	Health: 2 Flammability: 0 Instability: 0	
<b>Disclaimer</b>	This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and the manufacturer disclaims all liability for reliance thereon. The user should satisfy themselves(s) that he has all current data relevant to their particular use.	