

# MATERIAL SAFETY DATA SHEET

IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300  
OR THE NATIONAL PESTICIDE INFORMATION CENTRE (NPIC) 1-800-858-7378

## 1. Identification of the substance/preparation and company/undertaking:

Product name: Exilis<sup>®</sup> Plus  
Use of product: Horticultural plant growth regulator for professional use  
Distributed by: Fine Americas, Inc.  
1850 Mt. Diablo Blvd., Suite 405, Walnut Creek, CA 94596, USA  
Tel: 925-932-8800

## 2. Composition/information on ingredients:

Product: A solution of 2% 6-benzylaminopurine (6-BA)  
CAS No: 1214-39-7 (active ingredient)  
EPA Reg. No: 62097-9-82917

## 3. Hazards identification:

KEEP OUT OF REACH OF CHILDREN

Toxicity category: III (EPA)

EPA Signal Word: Caution.

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes and clothing. Wear protective eyewear and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

## 4. First aid measures:

After inhalation: Remove the person to a well ventilated area. Ensure the person is warm and comfortable. Call a poison control centre or doctor for treatment advice.

After skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

After eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control centre or doctor for treatment advice.

After swallowing: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

## 5. Fire fighting measures:

Flammability:	Auto-ignition >400°C, Flash Point 105°C
Extinguishing media:	Use water mist, CO <sub>2</sub> , foam or dry powder
Special exposure hazards:	None
Products of combustion and decomposition:	At very high temperatures Exilis Plus will decompose to form carbon, chlorine, nitrogen, sulfur compounds and aldehydes.

## 6. Accidental release measures:

Personal precautions:	Wear protective clothing, see Section 8 "Exposure control/personal protection"
Environmental precautions:	Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.
Methods for cleaning up:	Isolate spilled material for safe disposal and collect in sealable poly-lined containers, clean contaminated area with water.

## 7. Handling and storage:

Handling:	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
Storage:	Do not contaminate water, food or feed by storage or disposal. Store in cool dry conditions in original well marked containers. Keep container tightly closed when not in use. Store below 75°F.

## 8. Exposure controls/personal protection:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Socks and shoes

For washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. Physical and chemical properties:

General information:

- Appearance: A colorless liquid
- Odor: Slightly sweet odor

Important health, safety and environmental information:

- pH (1% solution): 4.4
- Boiling point: 185-189°C
- Flash point: 105°C
- Explosive properties: No explosive properties
- Oxidizing properties: No oxidizing properties
- Vapor pressure:  $5.5 \times 10^{-6}$  Pa @ 25°C (active ingredient)
- Relative density: 1.0422 g/cm<sup>3</sup>

- Solubility
  - water solubility: Completely soluble in water @ 20°C
  - fat solubility: No data
- Partition coefficient: 2.16 log P<sub>OW</sub> (active ingredient pH 7)
- Viscosity: 60 mPa.s @ 20°C
- Vapor density: No data
- Evaporation rate: No data

Other information: Auto ignition > 400°C

## 10. Stability and reactivity:

Stable in original containers for at least 2 at ambient temperatures.

Conditions to avoid: Excessive heat

Materials to avoid: Incompatible with strong oxidizing agents

Hazardous decomposition products: None under normal conditions of storage and use.

## 11. Toxicological information:

Acute toxicity:

- Oral: LD<sub>50</sub> Rat: Category 3 > 2 000 mg/kg
- Inhalation: LC<sub>50</sub> Rat: Category 4 >5.02 mg/l
- Dermal: LD<sub>50</sub> Rat: category 3 >2 000 mg/kg

Irritation:

- Eye: Non-irritant
- Skin: Non-irritant
- Respiratory tract: Non-irritant

Sensitization:

- Skin: Non-sensitizing

Carcinogenicity: Not carcinogenic (active ingredient)

Mutagenicity: Not mutagenic (active ingredient)

Reproductive toxicity: Not reproductive (active ingredient)

Chronic toxicity: No data

## 12. Ecological information:

Ecotoxicity (6-benzylaminopurine):

- Fish: LC<sub>50</sub> (96h) > 100 mg/l
- Daphnia: EC<sub>50</sub> (48h) >100 mg/l
- Algae: EC<sub>50</sub> (72h) > 100 mg/l
- Bird: LD<sub>50</sub> 1599 mg/kg for northern bobwhite (active ingredient)
- Bee: LD<sub>50</sub> oral >4000 µg/bee
- General: No known toxic effect on wildlife or beneficial insects

Persistence and degradability: >99.5% in aqueous media, half-life 5 days.

### 13. Disposal considerations:

- Product disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- Packaging disposal: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### 14. Transport information:

- UN number: Not applicable  
 NMFC number: 101685  
 Class: 065  
 Proper shipping name: Plant growth inhibitor, modifier or regulator  
 Packaging group: Not applicable  
 Marine Pollutant: Not applicable  
 Other applicable information: Not applicable

### 15. Regulatory information:

Chemical Name	SARA 313	SARA 302	CERCLA Reportable Quantity (RQ)	California Proposition 65
6-benzylaminopurine	Not Listed	Not Listed	None	Not Listed

### 16. Other information:

For further information on the product and product use refer to the product label.

This version supersedes previous version (102709). Prepared by Fine Americas, Inc. on the basis of the best available data. No representation is given that the information provided is complete in all respects.