



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Formulator: Gowan Company  
P.O. Box 5569  
Yuma, Arizona 85366-5569  
(928) 783-8844

**Emergency Phone:** (928) 783-3803  
**For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC®:**  
**For MEDICAL Emergency:** **Inside the U.S.:** (800) 424-9300  
**Outside the U.S.:** (703) 527-3887  
(888) 478-0798

**Product:** Savey® 50 DF  
**EPA Signal Word:** Caution  
**Active Ingredient:** Hexythiazox (50.0%)  
**Chemical Name:** *trans*-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide  
**Chemical Class:** Carboxamide

**EPA Registration No.:** 10163-250  
**CAS No.:** 78587-05-0

### 2. HAZARDS IDENTIFICATION

#### Physical Properties

**Appearance:** Light tan granules  
**Odor:** Faint ligneous odor

#### Symptoms of Acute Exposure

Not available

#### Medical Conditions Likely to be Aggravated by Exposure

None known

#### Primary Routes of Exposure

May irritate eyes, nose, throat and skin.

#### Hazardous Decomposition Products

Decomposition will not occur

#### Unusual Fire, Explosion, and Reactivity Hazards

May be ignited by heat or open flame. Dust forms explosive mixture in air.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Hexythiazox (50.0%)	None	None	Not established	No

Only the identities of the active ingredient(s) and any *hazardous* inert ingredients are listed. Specific information on all of this product's ingredients can be obtained by the treating medical professional or spill emergency responder for the management of exposures, spills, or safety assessments.

### 4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

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## 4. FIRST AID MEASURES (continued)

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**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

**IF INHALED:** 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 poison control center or doctor for further treatment advice.

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

**FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE: (888) 478-0798**

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## 5. FIRE FIGHTING MEASURES

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**Flashpoint (test method):** Not applicable to solid

**Flammable Limits (% in air):** Not available

**Autoignition Temperature:** Not available

### Appropriate Extinguishing Media

Use water spray, fog, dry chemical, or CO<sub>2</sub>.

### Fire Fighting Guidance

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Use water spray. Cool tank/container with water spray. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water will increase contamination hazard.

### Unusual Fire, Explosion, and Reactivity Hazards

Toxic fumes such as hydrogen chloride (HCl) and oxides of nitrogen (NO<sub>x</sub>) may develop if product is burned. Dispersion of fine dust in air may form explosive mixture.

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## 6. ACCIDENTAL RELEASE MEASURES

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### In Case of Spills or Leaks

Keep unnecessary people away and isolate hazard area. Wear appropriate personal protective equipment described in Section 8. Sweep up spill carefully, avoiding the formation of a dust cloud. Place material into a clean dry container. If spilled material is a liquid, prevent from entering sewers, waterways or low areas. Use an absorbent to absorb material, then shovel or sweep up and place into a clean container for disposal.

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## 7. HANDLING AND STORAGE

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May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Store in the original container and keep closed. Store containers in a cool dry place.

### Precautions in storing

DO NOT contaminate water, food or feed by storage or disposal. Do not store near any materials intended for use or consumption by humans or animals.

### Storing

Store product in original container only, away from other pesticides, fertilizers, food and feed. Store containers in a cool dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Eye/Face:** Not required; use normal safety precautions.

**Skin Protection:** Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

**Respiratory Protection:** Not required; use normal safety precautions.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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**Additional Protection Information:**

Emergency eyewash fountain should be located nearby. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Workers should avoid breathing dust and spray vapors or mist. Avoid dust generation. Avoid contact with eyes, skin and clothing.

**Applicators/Handlers:**

Applicators and other handlers must wear coveralls over short-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

**User Safety**

**Recommendations:**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outsides of gloves before removing. As soon as possible, wash thoroughly and put on clean clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Light tan granule
<b>Odor:</b>	Faint ligneous odor
<b>Melting Point:</b>	105-107.5°C (technical)
<b>Boiling Point:</b>	Not applicable
<b>Specific Gravity/ Density:</b>	Not applicable
<b>Solubility in H<sub>2</sub>O</b>	
Hexythiazox	0.5 mg/l @ 20° C (technical)
<b>Vapor Pressure</b>	
Hexythiazox	3.38 x 10 <sup>-6</sup> Pa @ 20° C (technical)

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## 10. STABILITY AND REACTIVITY

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<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Decomposition Products:</b>	Decomposition will not occur
<b>Hazardous Mixtures:</b>	None known
<b>Conditions To Avoid:</b>	None known

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity/Irritation Studies**

<b>Ingestion:</b>	Acute Oral LD <sub>50</sub> (mice):	>5,000 mg/kg body weight
	Acute Oral LD <sub>50</sub> (rat):	>5,000 mg/kg
<b>Dermal:</b>	Acute Dermal LD <sub>50</sub> (rat):	>5,000 mg/kg body weight
<b>Inhalation:</b>	Inhalation LC <sub>50</sub> (rat):	2.8 mg/L – 4 hour
<b>Eye Contact:</b>	Slight irritant	
<b>Skin Contact:</b>	Not a skin irritant (rabbits)	
<b>Skin Sensitizer:</b>	Not a skin sensitizer (guinea pig)	

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## 12. ECOLOGICAL INFORMATION

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### Summary of Effects

#### Hexythiazox

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

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## 13. DISPOSAL CONSIDERATION

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### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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## 14. TRANSPORT INFORMATION

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### DOT Classification

Not regulated

### International Maritime Organization

Not regulated

### International Civil Aviation Organization

Not regulated

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## 15. REGULATORY INFORMATION

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### SARA Title III Classification

Section 302/304: Not applicable  
Section 311/312: Immediate (acute) health hazard  
Section 313 chemical(s): None

### Proposition 65

Not applicable

### RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

### CERCLA Reportable Quantity (RQ)

Not applicable

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## 16. OTHER INFORMATION

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### NFPA Hazard Ratings

<b>Health:</b>	1	0	Least
<b>Flammability:</b>	0	1	Slight
<b>Reactivity:</b>	0	2	Moderate
		3	High
		4	Severe

**Notice:** The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

### Prepared By:

Gowan Company  
(928) 783-8844

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