



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Formulator: Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569
(800) 883-1844

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC®:

Inside the U.S.: (800) 424-9300
Outside the U.S.: (703) 527-3887
(888) 478-0798

For Medical Emergency:

Product: JUSTICE

EPA Signal Word: WARNING

EPA Registration No.: 8033-116-10163

Active Ingredient: Acetamiprid (13%w/w)

CAS No.: 160430-64-8

Chemical Name: (E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine

Chemical Class: Neonicotinoid

Active Ingredient: Bifenthrin (10%w/w)

CAS No.: 82657-04-3

Chemical Name: 2-methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3trifluoro-1propenyl)-2,2-dimethyl-cyclopropanecarboxylate

Chemical Class: Pyrethroid

2. HAZARDS IDENTIFICATION

Health hazards

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist. Wear protective eyewear.

May give damage to lung if swallowed.

Symptoms of exposure (Acute effects)

No information

Symptoms of exposure (Long term effects)

No information

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Bifenthrin (10%w/w)	N/A	N/A	N/A	N/A
Acetamiprid (13%w/w)	N/A	N/A	N/A	N/A

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 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

4. FIRST AID MEASURES - continued

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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

NOTE TO PHYSICIAN: this product contains a pyrethroid. If large amounts have been ingested the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils or alcohol may increase absorption and so should be avoided. Contains petroleum distillates. May pose an aspiration pneumonia hazard.

5. FIRE FIGHTING MEASURES

Flashpoint (test method): Not available

Flammability: Not determined

Appropriate Extinguishing Media

Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam

Special protective equipment for fire-fighters

Wear appropriate protective clothing with self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spills or Leaks

Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Sweep up and place in an appropriate container. Hold for disposal. Wash contaminated surfaces to remove any residues. Remove contaminated clothing and wash before reuse.

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin or clothing.

Storage

Store in a cool, ventilated, dry place. Store only with compatible chemicals. Do not storage in or around home. Keep container tightly closed. Do not allow prolonged storage in areas where temperature frequently exceed 115° F. NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Safety glasses with side shields
- Chemical resistant gloves
- Shoes plus socks

If you want more options for chemical-resistant materials, follow the instructions for category A on an EPA chemical-resistance category selection chart.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Liquid
Color: Yellowish
Odor: Kerosene-like

Boiling point: Not applicable

Melting point: Not applicable

Flash point: Not available

Flammability: Probably flammable

10. STABILITY AND REACTIVITY

Conditions to Avoid: Stable under normal storage and use conditions.

Incompatibility: Avoid excessive heat and flame.

Hazardous Decomposition

Products: This product may emit hazardous fumes of hydrogen chloride, hydrogen fluoride, carbon oxides, and unidentified organic compounds when it is heated excessively or burned.

11. TOXICOLOGICAL INFORMATION

Information is based on the active ingredients (identified as A and B)

Test	Ingredient A	Ingredient B
acute oral	280	176
acute dermal	>2000	>2070
eye irritation	no	moderate
skin irritation	no	slight

12. ECOLOGICAL INFORMATION

Extremely toxic to fish. This product is toxic to birds and aquatic invertebrates. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water or to areas where surface water is present or to intertidal areas below mean high water mark. Do not make applications when weather conditions favor drift from treated areas. Drift and runoff treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water when disposing of equipment washwaters or rinsate. This product is toxic to bees exposed direct treatment. Do not apply this product while bees are actively visiting the treatment area. Do not contaminate water when disposing of equipment washwater or rinsate. The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

13. DISPOSAL CONSIDERATION

- Burn in a chemical incinerator equipped with an afterburner and alkaline scrubber, in accordance with Federal, State or local regulation.
 - Do not discharge into waterway or sewer systems unless permission has been obtained by the local authority and suitable dilution has been established.
 - Contaminated empty containers must be disposed of as chemical waste. Do not reuse or refill this container
 - Obey all Federal, State and local regulations for health, safety, and environmental protection in treating the waste.
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14. TRANSPORT INFORMATION

DOT Classification

UN2902, Pesticide, Liquid, Toxic, N.O.S. (Acetamiprid, Bifenthrin), 6.1, III

International Maritime Organization

UN2902, Pesticide, Liquid, Toxic, N.O.S. (Acetamiprid, Bifenthrin), 6.1, III, Marine Pollutant

International Civil Aviation Organization

UN2902, Pesticide, Liquid, Toxic, N.O.S. (Acetamiprid, Bifenthrin), 6.1, III

15. REGULATORY INFORMATION

SARA Title III Classification

Section 302/304:	Not listed
Section 311/312:	Immediate (acute) health hazard Delayed (chronic) health hazard
Section 313 chemical(s):	Not listed

Proposition 65

Not applicable

CERCLA Reportable Quantity (RQ)

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.

TSCA Status

Exempt from TSCA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health:	3	0	Least
Flammability:	1	1	Slight
Reactivity:	0	2	Moderate
		3	High
		4	Severe

Prepared By:

Gowan Company
(800) 883-1844

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