

**SAFETY DATA SHEET**  
**TRANSPORT™ GHP INSECTICIDE**

SDS # : 6348-1-A

Revision date: 2017-10-26

Format: NA

Version 1.04



**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name** TRANSPORT™ GHP INSECTICIDE

**Other means of identification**

**Product Code(s)** 6348-1-A

**Synonyms**

BIFENTHRIN: (2-methyl[1,1'-biphenyl]-3-yl)methyl  
(1R,3R)-rel-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate  
(CAS name); 2-methyl-3-phenylbenzyl  
(1RS)-cis-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate  
(IUPAC name);

, ACETAMIPRID:  
(E)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine;(2E)-1-[(6-chloro-3-pyridylmethyl)-N-nitro-2-imidazolidinimine

**Active Ingredient(s)** Bifenthrin, Acetamiprid

**Chemical Family** Pyrethroid Pesticide, Neonicotinoid

**Recommended use of the chemical and restrictions on use**

**Recommended Use:** Insecticide

**Restrictions on Use:** Use as recommended by the label

**Supplier Address**

FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
(215) 299-6000 (General Information)  
msdsinfo@fmc.com (E-Mail General Information)

**Emergency telephone number**

For leak, fire, spill or accident emergencies, call:

1 800 / 424 9300 (CHEMTREC - U.S.A.)

1 703 / 741-5970 (CHEMTREC - International)

1 703 / 527 3887 (CHEMTREC - Alternate)

Medical Emergencies:

1 800 / 331-3148 (ProPharma Group - U.S.A. & Canada)

1 651 / 632-6793 (ProPharma Group - All Other Countries - Collect)

**2. HAZARDS IDENTIFICATION**

**Classification**

**OSHA Regulatory Status**

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This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

## GHS Label elements, including precautionary statements

### EMERGENCY OVERVIEW

Danger

#### **Hazard Statements**

H302 - Harmful if swallowed  
H331 - Toxic if inhaled  
H351 - Suspected of causing cancer  
H370 - Causes damage to organs  
H372 - Causes damage to organs through prolonged or repeated exposure



#### **Precautionary Statements - Prevention**

P202 - Do not handle until all safety precautions have been read and understood  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P281 - Use personal protective equipment as required

#### **Precautionary Statements - Response**

P308 + P311 - If exposed or concerned: Call a POISON CENTER or doctor  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P311 - Call a POISON CENTER or doctor  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
P330 - Rinse mouth

#### **Precautionary Statements - Storage**

P405 - Store locked up  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

P501 - Dispose of contents/container according to label directions

#### **Hazards not otherwise classified (HNOC)**

No hazards not otherwise classified were identified.

#### **Other Information**

Very toxic to aquatic life with long lasting effects. May be harmful in contact with skin.

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

**Chemical Family**

Pyrethroid Pesticide, Neonicotinoid.

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Chemical name	CAS-No	Weight %
Bifenthrin	82657-04-3	27.3
Acetamiprid	135410-20-7	22.7
Synthetic amorphous silica	112926-00-8	30-40
Crystalline silica, quartz	14808-60-7	0.1-1

Synonyms are provided in Section 1.

**4. FIRST AID MEASURES**

<b>Eye Contact</b>	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
<b>Inhalation</b>	Move 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.
<b>Ingestion</b>	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.
<b>Most important symptoms and effects, both acute and delayed</b>	None known.
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Treat symptomatically. This product is 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.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical, Foam.
<b>Specific Hazards Arising from the Chemical</b>	Powdered material may form explosive dust-air mixtures.
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	Not sensitive.
<b>Sensitivity to Static Discharge</b>	Not sensitive.
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Isolate and post spill area. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
<b>Other</b>	For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
<b>Environmental Precautions</b>	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways.
<b>Methods for Containment</b>	Use a wet sweeping compound or water to prevent dust formation.
<b>Methods for cleaning up</b>	Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal.

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Dispose of waste as indicated in Section 13.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.
<b>Incompatible products</b>	Strong oxidizing agents. Strong acids. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Synthetic amorphous silica (112926-00-8)	-	-	-	Mexico: TWA 10 mg/m <sup>3</sup>
Crystalline silica, quartz (14808-60-7)	TWA: 0.025 mg/m <sup>3</sup>	TWA: 50 µg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	Mexico: TWA 0.1 mg/m <sup>3</sup>
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Synthetic amorphous silica (112926-00-8)	TWA: 4 mg/m <sup>3</sup> TWA: 1.5 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup>	-	-
Crystalline silica, quartz (14808-60-7)	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.10 mg/m <sup>3</sup> respirable	TWA: 0.025 mg/m <sup>3</sup>

Appropriate engineering controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Skin and Body Protection** Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection** Protective gloves

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

**General information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied

**9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties

**Appearance** White Powder

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<b>Physical State</b>	Dry powder
<b>Color</b>	White
<b>Odor</b>	Faint hydrocarbon
<b>Odor threshold</b>	No information available
<b>pH</b>	6.5-7.5
<b>Melting point/freezing point</b>	Not applicable
<b>Boiling Point/Range</b>	No information available
<b>Flash point</b>	Not applicable
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Density</b>	9.6 - 13.4 lb/cu ft
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	No information available
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Molecular weight</b>	No information available
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong acids. Strong bases.
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO <sub>x</sub> ), Hydrogen chloride, Hydrogen fluoride.

**11. TOXICOLOGICAL INFORMATION**Product Information

<b>LD50 Oral</b>	> 550 mg/kg (rat)
<b>LD50 Dermal</b>	> 2000 mg/kg (rabbit)
<b>LC50 Inhalation</b>	> 0.51 mg/L 4 hr (rat) - Maximum attainable concentration (zero mortality)
<b>Serious eye damage/eye irritation</b>	Moderately irritating to eyes.
<b>Skin corrosion/irritation</b>	Non-irritating.
<b>Sensitization</b>	Non-sensitizing

Information on toxicological effects

<b>Symptoms</b>	Large doses of bifenthrin ingested by laboratory animals produced signs of toxicity including convulsions, tremors and bloody nasal discharge.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Chronic toxicity</b>	Bifenthrin: Long-term exposure caused neurotoxicity (tremors and impaired gait) in the early exposure in animal studies, but tremors disappeared with continued exposure
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**Mutagenicity  
Carcinogenicity**

Acetamiprid: Prolonged exposure in animal studies caused nonspecific toxicity observed as decreases in body weight and food consumption.

Bifenthrin, Acetamiprid: Not genotoxic in laboratory studies.

Bifenthrin: Weak treatment-related response for liver adenocarcinomas and benign bladder tumors (lesion) in male mice.

**Neurological effects**

Acetamiprid: No evidence of carcinogenicity from animal studies.

Bifenthrin: Causes clinical signs of neurotoxicity (tremors, impaired gait, excessive salivation) following acute or subchronic exposure. Tremors disappeared with continued exposure.

**Reproductive toxicity**

Acetamiprid: Caused clinical signs of neurotoxicity (decreased locomotor activity, tremors) in animal studies.

Bifenthrin: No toxicity to reproduction in animal studies.

**Developmental toxicity**

Acetamiprid: Reductions in pup weight, litter size, viability and weaning indices; delay in sexual maturity endpoints.

**STOT - single exposure**

Bifenthrin, Acetamiprid: Not teratogenic in animal studies.

**STOT - repeated exposure**

Causes damage to organs. See listed target organs below.

Causes damage to organs through prolonged or repeated exposure. See listed target organs below.

**Target organ effects**

Bifenthrin: Central Nervous System.

**Neurological effects**

Acetamiprid: No specific target organ toxicity; the liver effects were considered an adaptive response to chemicals rather than frank toxicity.

Bifenthrin: Causes clinical signs of neurotoxicity (tremors, impaired gait, excessive salivation) following acute or subchronic exposure. Tremors disappeared with continued exposure.

**Aspiration hazard**

Acetamiprid: Caused clinical signs of neurotoxicity (decreased locomotor activity, tremors) in animal studies.

No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Acetamiprid 135410-20-7		Group 2A		
Synthetic amorphous silica 112926-00-8		Group 3		
Crystalline silica, quartz 14808-60-7	A2	Group 1	Known	X

**Legend:**

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Bifenthrin (82657-04-3)				
Active Ingredient(s)	Duration	Species	Value	Units
Bifenthrin	96 h LC50	Fish	0.1	µg/L
	72 h EC50	Algae	0.822	mg/L
	48 h EC50	Crustacea	0.11	µg/L

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	21 d NOEC	Fish	0.012	µg/L
	21 d NOEC	Crustacea	0.0013	µg/L

**Acetamiprid (135410-20-7)**

Active Ingredient(s)	Duration	Species	Value	Units
Acetamiprid	72 h EC50	Algae	>98.3	mg/L
	96 h LC50	Fish	>100	mg/L
	48 h LC50	Crustacea	49.8	mg/L
	21 d NOEC	Fish	19.2	mg/L
	21 d NOEC	Crustacea	5	mg/L

**Persistence and degradability** Bifenthrin: Moderately persistent. Does not readily hydrolyze. Not readily biodegradable.

Acetamiprid: Non-persistent. Does not readily hydrolyze. Not readily biodegradable.

**Bioaccumulation**

Bifenthrin: The substance has a potential for bioconcentration.

Acetamiprid: The substance does not have a potential for bioconcentration.

**Mobility**

Bifenthrin: Immobile. Not expected to reach groundwater.

Acetamiprid: Moderately mobile. Has some potential to reach groundwater.

**13. DISPOSAL CONSIDERATIONS****Waste disposal methods**

Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

**Contaminated Packaging**

Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions. Do not re-use empty containers.

**14. TRANSPORT INFORMATION****DOT**

This material is not a hazardous material as defined by U.S. Department of Transportation at 49 CFR Parts 100 through 185.

**TDG****UN/ID no**

UN3077

**Proper Shipping Name**

Environmentally hazardous substance, solid, n.o.s.

**Hazard class**

9

**Packing Group**

III

**Marine Pollutant**

Bifenthrin.

**Description**

UN3077, Environmentally hazardous substance, solid, n.o.s. (Bifenthrin), 9, PGIII, Marine Pollutant

**ICAO/IATA****UN/ID no**

UN3077

**Proper Shipping Name**

Environmentally hazardous substance, solid, n.o.s.

**Hazard class**

9

**Packing Group**

III

UN3077, Environmentally hazardous substance, solid, n.o.s. (Bifenthrin), 9, PGIII

**IMDG/IMO****UN/ID no**

UN3077

**Proper Shipping Name**

Environmentally hazardous substance, solid, n.o.s.

**Hazard class**

9

**Packing Group**

III

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<b>EmS No.</b>	F-A, S-F
<b>Marine Pollutant</b>	Bifenthrin
<b>Description</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (Bifenthrin), 9, PGIII, Marine Pollutant

**15. REGULATORY INFORMATION****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS-No	Weight %	SARA 313 - Threshold Values %
Bifenthrin - 82657-04-3	82657-04-3	27.3	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Formaldehyde 50-00-0	100 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Formaldehyde 50-00-0	100 lb 45.4 kg	100 lb

**FIFRA Information**

*This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide 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:*

***Caution***

*Harmful if swallowed, inhaled or absorbed through skin.*

*This pesticide is extremely toxic to wildlife, fish and aquatic invertebrates.*

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

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Chemical name	New Jersey	Massachusetts	Pennsylvania
Bifenthrin 82657-04-3	X		
Synthetic amorphous silica 112926-00-8	X	X	X
Crystalline silica, quartz 14808-60-7	X	X	X

## International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINC S (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Bifenthrin 82657-04-3				X	X	X		
Acetamiprid 135410-20-7					X	X		
Synthetic amorphous silica 112926-00-8		X		X	X	X	X	X
Crystalline silica, quartz 14808-60-7	X	X	X	X	X	X	X	X

## Mexico - Grade

Moderate risk, Grade 2

Chemical name	Carcinogen Status	Mexico
Synthetic amorphous silica		Mexico: TWA 10 mg/m <sup>3</sup>
Crystalline silica, quartz		Mexico: TWA 0.1 mg/m <sup>3</sup>

Chemical name	Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use -Threshold Quantities	Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
Formaldehyde	100 2500 kg/yr	100 kg/yr
Bifenthrin	100 2500 kg/yr	100 kg/yr

## WHMIS Statement

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## WHMIS Hazard Class

D2A - Very toxic materials



## 16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards -
HMIS	Health Hazards 2*	Flammability 1	Physical hazard 0	Personal Protection X

\*Indicates a chronic health hazard.

## NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date:

2017-10-26

Reason for revision:

(M)SDS sections updated

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**End of Safety Data Sheet**