



Conforms to HazCom 2012/United States

SAFETY DATA SHEET



Rycar® Insecticide

Suspension Concentrate

Section 1. Identification

GHS product identifier : Rycar® Insecticide
Product Description : Suspension Concentrate
EPA Registration No. : 71711-37-67690

Supplier's details : SePRO Corporation
11550 North Meridian Street
Suite 600
Carmel, IN 46032 U.S.A.
Tel: 317-580-8282
Toll free: 1-800-419-7779
Fax: 317-580-8290
Monday - Friday, 8am to 5pm E.S.T.
www.sepro.com

Emergency telephone number (with hours of operation) : INFOTRAC - 24-hour service 1-800-535-5053

The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation and packaging of this product. For applications and/or use, consult the product label. The label directions supersede the text of this Safety Data Sheet for application and/or use.

Section 2. Hazards identification

Classified according to OSHA 29 CFR 1910.1200 HCS

Classification:

Acute Toxicity (Oral): Category 4
Skin Sensitization: Category 1B
Acute Toxicity (Inhalation): Category 4
Specific Target Organ
Toxicity (Repeated Exposure): Category 2

Signal Word: **WARNING**

**Hazard Statements:**

- Harmful if swallowed
- May cause an allergic skin reaction
- Harmful if inhaled
- May cause damage to organs (blood system, liver, kidney) through prolonged or repeated exposure

Precautionary Statements:Prevention:

Do not breathe mists, vapors, and/or spray.
 Wash thoroughly after handling.
 Do not eat, drink, or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves.

Response:

- IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN:** Wash with plenty of water. Wash contaminated clothing before reuse. Specific treatment, see supplemental first aid information. If skin irritation or rash occurs: Get medical advice/attention.
- IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.

Storage:

No precautionary statement necessary.

Disposal:

Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

Section 3. Composition/information on ingredients

Chemical Name	CAS Number	Percentage
Pyrifluquinazon CAS name: 2(1H)-Quinazolinone, 1-acetyl-3,4-dihydro-3-[(3-pyridinylmethyl)amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-	337458-27-2	20.0%
*Other ingredients		80.0%

*Specific chemical identity and percentage of composition withheld as a trade secret

Section 4. First aid measures

Skin Contact	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.
Ingestion	Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	Refer to Section 11 for Toxicological Information.

Section 5. Fire-fighting measures

Suitable extinguishing media	Water, foam, carbon dioxide, or dry chemical.
Unsuitable extinguishing media	No information available
Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products)	Will burn to give off toxic oxides of carbon and nitrogen.
Special protective equipment and precautions for fire-fighters	Keep out of smoke. Fight fire from an upwind position. Wear positive pressure self-contained breathing apparatus. Spray containers with water to keep cool. Avoid runoff from extinguishing media such as water, foam, and dry chemicals into ponds, rivers, and lakes due to danger of acute toxicity to aquatic organisms. Use dikes to prevent contamination of water supplies.

Section 6. Accidental release measures

General and Disposal:	Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with federal or local disposal regulations (see Section 13). Notify the appropriate authorities immediately (see Section 15 for any applicable Reportable Quantity (RQ)). Report to authorities if water enters watercourse or sewer.
Land Spill or Leak:	<p>Liquid spills on the floor or other impervious surfaces should be contained or diked and then absorbed with sawdust, sand, bentonite, or other absorbent clay. Collect contaminated absorbent, and place it in a metal drum. Thoroughly scrub the floor or other impervious surface with a strong industrial-type detergent and rinse with water.</p> <p>Liquid spills that soak into the ground should be dug up and placed in metal drums. When a large spill or leakage is found, wear protective clothing and respirator to avoid exposure.</p>



Avoid contaminated absorbents or water flow into ponds, rivers, and lakes, due to the danger of acute toxicity to aquatic organisms.

Section 7. Handling and storage

Handling Precautions:

- Open container with care.
- Use adequate ventilation.
- Avoid handling near an open flame or heat source or ignition source.
- Do not contaminate water by cleaning of equipment or disposal of waste.
- Avoid contact with skin, eyes, or clothing.
- Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water.
- Do not use the toilet before thoroughly washing hands.
- Remove contaminated clothing immediately and wash thoroughly before reuse.

Storage Precautions:

- Keep container tightly closed. Store in original container.
- Keep container at room temperature or store in a cool dry place.
- Avoid storage in direct sunlight, excessive heat or cold.

Section 8. Exposure controls/personal protection

Engineering Controls

(Local exhaust):

Ventilation may be necessary under certain confined conditions. If practical, use ventilation at the sources of air contamination. Control airborne contaminants below the exposure guidelines (see below for any applicable OSHA / ACGIH exposure limits).

Personal Protective Equipment (PPE):

Applicators and other handlers of agricultural products must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, made of material such as barrier laminate or Viton
- Shoes plus socks

Agricultural Use Requirements – for uses of this product that are covered by the Worker Protection Standard 40 CFR Part 170 – PPE required for early entry into treated areas:

- Coveralls
- Chemical-resistant gloves, made of material such as barrier laminate or Viton
- Shoes plus socks

Respiratory Protection:

Ensure good ventilation. Avoid breathing mist. If ventilation is inadequate, use approved respiratory protection equipment when airborne exposure limits are exceeded.

Section 9. Physical and chemical properties

Appearance	Off-white liquid
Odor	No odor detected
Odor Threshold	Not applicable
pH	6.5 (as 1% w/v suspension)
Melting point/freezing point	No data available
Initial boiling point and boiling range	Boiling point = 87°C
Flash point	No flash point under test conditions
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not explosive
Vapor pressure	5 x 10 ⁻⁸ Pa (Pyrifluquinazon pure grade active ingredient)
Vapor density	No data available
Relative density	1.12 at 20°C
Solubility(ies)	Water = 0.0121 g/L 20°C
Partition coefficient (n-octanol/water)	Log Pow = 3.12 at 25°C (pyrifluquinazon TGAI)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	120-3600 mm ² /s (cSt) at 20°C and 60-2600 mm ² /s (cSt) at 40°C

TGAI = Technical Grade Active Ingredient

Section 10. Stability and reactivity

Reactivity	Non-reactive toward monoammonium phosphate, zinc, potassium permanganate, and water
Chemical stability	This product is stable for at least 12 months of storage at ambient temperatures
Possibility of hazardous reactions	None known
Conditions to avoid	None known
Incompatible materials	None known
Hazardous decomposition products	Combustion or thermal decomposition will evolve toxic and irritant vapors (CO, NO _x , etc.)

Section 11. Toxicological information

The following data were developed using PYRIFLUQUINAZON Insecticide:

Acute Studies:

Oral LD50 (rat):	2000 mg/kg
Dermal LD50 (rat):	> 2000 mg/kg
Inhalation LC50 (rat):	> 2.10 mg/L (4 hrs.)
Eye irritation (rabbit):	Mildly irritating
Skin irritation (rabbit):	Slightly irritating
Skin sensitization (mice):	Sensitizing



The following data were developed using pyrifluquinazon technical:

- Chronic Effects:** Target organ effects after long term administration of pyrifluquinazon included liver, thyroid, hematopoietic system, kidney, and reproductive organ toxicity. Nasal toxicity was observed following chronic oral, but not inhalation, exposure.
- Cancer Effects:** Pyrifluquinazon is not classified as carcinogenic by IARC, OSHA, or NTP. There was an increased incidence of benign testicular interstitial cell (Leydig cell) tumors in male mice following long-term administration of pyrifluquinazon. The US EPA has concluded that pyrifluquinazon is not likely to be carcinogenic to humans at levels that do not alter rodent homeostasis.
- Teratogenicity (Birth Defects):** Pyrifluquinazon is a developmental toxicant in both rats and rabbits. Fetal effects were observed at doses lower than those that produced maternal toxicity.
- Reproductive Effects:** Pyrifluquinazon is a reproductive toxicant. Adverse effects in offspring were observed at doses lower than those that produced parental toxicity.
- Neurotoxicity:** There was no evidence of neurotoxicity in the absence of systemic toxicity in either short or long-term studies with pyrifluquinazon.
- Immunotoxicity:** There were no immunologic effects detected in male and female dogs following repeated oral administration of pyrifluquinazon technical under the conditions of an immunological study.
- Mutagenicity (Genetic Effects):** Pyrifluquinazon is not mutagenic or genotoxic.

Section 12. Ecological information

Ecological data were developed using pyrifluquinazon technical.

- Environmental Precautions:** Do not apply directly to water, to areas where surface water is present, or to intertidal areas below mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid spraying ponds or aquaria containing fish. Do not contaminate water by cleaning of equipment or when disposing of equipment wastewaters or rinsate.

Section 13. Disposal considerations

- General Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
- Any disposal practice must be in compliance with all federal, state/provincial, and local laws and regulations. State (provincial) and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Chemical additions, processing, storage or otherwise altering this material may make the waste disposal information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.



Refer to appropriate federal (RCRA: 40 CFR.261), state/provincial, or local requirements for proper classification information. For regulatory information on the ingredient components, see Section 15.

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Nonrefillable plastic container (less than 5 gallons)
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. 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 ¼ 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 the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Section 14. Transport information

DOT:	Not regulated
IATA:	UN 3082, Environmentally Hazardous Substance, liquid, n.o.s., (pyrifluquinazon), Class 9 PG III
IMDG:	UN 3082, Environmentally Hazardous Substance, Liquid, n.o.s. (pyrifluquinazon) Class 9, PG III, Marine Pollutant

RYCAR Insecticide **is not regulated for transport** unless shipped by water, air.

Section 15. Regulatory 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 absorbed through skin; Harmful if swallowed

U.S. Federal Regulatory Information:

EPA Registration Number: 71711-37-67690
TSCA Inventory: Registered pesticide; exempt from TSCA

**SARA Title III Notification and Information:**

Section 302 (EHS) Ingredients: None

Section 304 (EHS)
or CERCLA Ingredients (RQ): None

Section 313 Ingredients: None

U.S. State Regulatory Information:**U.S. State Right-to-Know (RTK) Ingredients:**

- Propylene glycol (CAS 57-55-6)

California Proposition 65 List:

- None

Section 16. Other information

HMIS® Hazard Rating:Health: 2
Flammability: 1
Physical Hazard: 0**NFPA Hazard Rating:**Health: 2
Flammability: 1
Reactivity: 0
Specific Hazard: NonePrepared by: Regulatory Affairs
Date: 12/21/15
Reason for Editing: Updated Section 14**Notice to reader**

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