



PRI Pesticide Product Evaluator: A Tool For Integrated Pest Management

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INTRODUCTION

Pesticide Research Institute has developed an online, hazard-ranking tool that provides information on human health and environmental toxicity for over 18,000 pesticide products. The PRI Pesticide Product Evaluator® is designed to strengthen pest management programs by helping professionals find low-risk pesticide products and make informed decisions on pesticide use.



Comprehensive Pesticide Information

The PRI Pesticide Product Evaluator® provides a source of up-to-date and accurate information on pesticide products. The database contains comprehensive and integrated information on human health, aquatic toxicity, water pollution potential, and environmental fate and transport characteristics for pesticide chemicals.

Results for Search by Other Categories: CA Healthy Schools Exempt

Product Name	Registration Number	Hazard Tier
ADVION COCKROACH GEL BAIT	100-1484	3 ✓

Product type: Insecticide

Product Data Set Includes:

- ❖ All end-use products currently registered by US EPA
- ❖ Products that were cancelled in the last five years
- ❖ Exempt products containing only FIFRA Section 25(b) minimum risk ingredients
- ❖ Hazard Tier rankings for thousands of pesticide products
- ❖ Pesticide product information directly from the product label and MSDS, including links to the source documents
- ❖ Product reviews with details on the pest, application site and treatment results
- ❖ Current registration status, restricted use status, product registration transfer information and more
- ❖ Pesticide exempted from reporting under the California Healthy School Act, which are identified with a school bus icon
- ❖ Pesticides that are known to be toxic to bees, which are identified with a bee hazard icon to support pollinator protection

PRI compiles pesticide information from leading international, federal, and state agencies including: International Agency for Research on Cancer, United States Environmental Protection Agency, National Institute of Health, the European Union, California Office of Environmental Health and Hazard Assessment and California Department of Pesticide Regulation.

Human Health Hazards		Water Pollution Potential		Low Toxicity Indicators	
Percent	Chemical Name	Cancer Ranking	Reproductive/Developmental Toxicity	Endocrine Disruptor Status	
31	Kerosene	Unclassifiable	Not Listed	Not Listed	
61.6	Triclopyr, butoxethyl ester	Unclassifiable	Not Listed	Not Listed	

NDA = No Data Available

HAZARD TIER DEFINED

The PRI Pesticide Product Evaluator® uses the LEED-compliant Hazard Ranking system originally implemented by the City of San Francisco to assign a Hazard Tier ranking to pesticide products. Products are evaluated on the basis of acute and chronic toxicity to humans, wildlife and aquatic life, as well as potential for water contamination.

1 Highest concern
The formulated product has a DANGER signal word on the label because of high acute toxicity, is listed by US EPA as a Restricted Use Product (RUP), and/or is highly toxic to fish or other aquatic life, birds, wildlife, or honey bees. Alternatively, one or more of the known ingredients in the product meets at least one of the following criteria: Known or probable carcinogen, reproductive or developmental toxicant, suspected endocrine disruptor, persistent bioaccumulative toxic substance, or listed as a non-point source water pollutant on the Clean Water Act Section 303(d) list.

2 Moderate concern
The formulated product has a WARNING signal word on the label because of moderate acute toxicity and/or is moderately toxic to fish or other aquatic life, birds, wildlife, or honey bees. Alternatively, one or more of the known ingredients in the product is not a Hazard Tier 1 ingredient, but meets at least one of the following criteria: Possible carcinogen or potential ground or surface water contaminant.

3 Low concern
The formulated product has a CAUTION or no signal word on the label because of low acute toxicity and/or has no warnings about toxicity to fish or other aquatic life, birds, wildlife, or honey bees. For the known ingredients in the product, no hazard criteria are flagged for Tier 1 or Tier 2.

MULTIPLE SEARCH OPTIONS

The Pesticide Product Evaluator® makes it easy to search the database by product name or registration number or to perform an advanced search by Hazard Tier, pest, site, use, chemical class, or active ingredient.

Pesticide Research Institute Pesticide Product Evaluator®

Welcome, Emily Morse

Search About Help Hazard Tiers Account Logout

Welcome, Emily Morse!

Basic Search

Enter the product name or US EPA product registration number in the search box. The Basic Search will find product names or registration numbers that contain or start with the search term. If you get no results, shorten the search term by a few characters and search again.

Search for a product name or registration number

Advanced Search

Select one or more criteria for the products you wish to find from the drop down menus. NOTE: You must select the criteria from the dropdown menus, not just type into the box. Your search will provide a list of products matching those criteria. If you get no results, be sure you select options from the dropdown menus.

Select Hazard Tier Select Use Type Select Pest Select Crop or Site

Select Active Ingredient Select Chemical Class Select Crop or Site

Search by Other Categories Show List

PRI has determined the Hazard Tier ranking for thousands of pesticide products used in building and landscape pest management, invasive weed management, and turf pest management. Future updates will focus on agricultural use pesticides.

Human Health Hazards		Water Pollution Potential		Low Toxicity Indicators	
Percent	Chemical Name	Groundwater Useability Score (GUS)	Soil Mobility	Aerobic Half-Life (days)	Exceeds CA Specific Numeric Values
31	Kerosene	NDA	NDA	NDA	Not Listed
61.6	Triclopyr, butoxethyl ester	2.48	Moderate	13	Yes

NDA = No Data Available

SEARCH BY PEST

Exemplar Search: Querying in the PRI Pesticide Product Evaluator® for “CA Healthy Schools Exempt” products brings up a set of results from the PRI database. The results are ordered from least-toxic (Hazard Tier 3) to most toxic (Hazard Tier 1).

Product Name	Registration Number	Hazard Tier
BIOWEED		EXEMPT-1
ADVION COCKROACH GEL BAIT	100-1484	3 ✓
Bed Bug Killer and Repellent		EXEMPT-424900
		3 ✓

DETAILED HAZARD INFORMATION ON PESTICIDE PRODUCTS

Detailed hazard information is provided for each product, with color coding to highlight the characteristics of the product that affect its Hazard Tier rating, including environmental and human health hazards of the formulated product and information on the chemical, toxicological, water pollution potential and low-toxicity indicators for any identified ingredients (actives and identified inerts).

GARLON 3A

Registration Number: 62719-37 Hazard Tier: 1 ✓

Product type: Herbicide Terrestrial

Hazard Tier Assessment

This product is a Hazard Tier 1 product because it has an acute toxic effect to humans, meaning that exposure to the product can cause effects such as irreversible eye damage, severe burns to skin, and/or severe damage to organs or systems. See US EPA 2002 Tolerance action to the oral route of the product through ingestion, inhalation, or skin contact.

PRI Comments

This product contains an organophosphorus herbicide that is highly toxic to bees. Animal studies indicate that triclopyr causes birth defects in laboratory animals at moderate doses. See US EPA 2002 Tolerance action to the oral route of the product through ingestion, inhalation, or skin contact.

EPA Data Updated 2/9/2015 **PRI Review Date** 3/1/2013

Product Information

Registration Status: Active Manufacturer: Dow AgroSciences LLC

CA: Active

Find Registration Status in Other States

Cancellation Date: Currently registered

Acute Toxicity Signal Word: DANGER

Restricted Use: No

Formulation: Soluble Concentrate

Active Ingredients

Triclopyr, trichloramine salt, 44.4%

Other Known Ingredients

Trichloramine, 3%; Edifenphos, 2.3%; Ethyl alcohol, 2.1%

Registration Numbers

EPA: 62719-37 CA: 62719-37-ZA, 62719-37-ZB, 62719-37-ZE, 62719-37-ZF

Previous EPA Registration Numbers: 454-546

Chemical ID Information on Known Ingredients in this Product

Chemical ID: +

Environmental Hazards

Fish: Low Toxicity Aquatic Invertebrates: Low Toxicity Other Aquatic Organisms: Low Toxicity

Birds: No Warning on Label or MSDS Bees: No Warning on Label or MSDS

Acute Human Health Hazards

Eye Irritation: Irrversible Eye Damage Skin Irritation: Corrosive Sensitizer: Irritant or Sensitive Irritant cause allergic reactions

Dermal Toxicity: Low Toxicity (0.500 > 2,000 mg/kg) Inhalation Toxicity: Low Toxicity (0.050 > 500 mg/kg)

Other Names for This Product +

Pests Targeted By This Product +

Crops/Sites On Which This Product Is Approved For Use +

Hazard Information on Known Ingredients in this Product

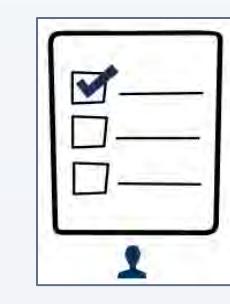
Human Health Hazards: + Water Pollution Potential: + Low Toxicity Indicators: +

Review +

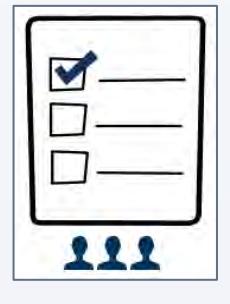
Human Health Hazards		Water Pollution Potential		Low Toxicity Indicators	
Percent	Chemical Name	Section 25(b) Minimal Risk	Organic Approved	US EPA Biocide	US EPA Waived Data Requests
31	Kerosene	No	Yes	No	No data
61.6	Triclopyr, butoxethyl ester	Yes	No	No	No

NDA = No Data Available

PRI PRODUCT EVALUATOR MAY BE USED TO CREATE LISTS OF SELECTED PESTICIDES



Icon for Individual List



Icon for Group List

For subscribers with a group subscription, the Product Evaluator® allows an individual user to create a list of pesticides or allows an organization to have a group list of pesticides. An organization may use this list feature to create a list of pesticides that are acceptable for use, or for any other reason. An individual may use their personal list to evaluate a set of pesticides that are particularly useful for a specific purpose or location.

Product Name	Registration Number	San Francisco Hazard Tier
BUG-N-SLUGG INSECT, SLUG AND SNAIL BAIT	67702-24	3 ✓
HARRIS FAMOUS ROACH TABLETS		3-1 ✓
MEDALLION SC	100-1448	2 ✓
MON 12037 HERBICIDE	81880-19	2 ✓
		1 - 4 of 4

ADDITIONAL FEATURES

- **MSDS and Label links:** Quick links to the MSDS and product labels are provided.
- **PRI Comments:** PRI provides additional information about product hazards that may not be captured by the Hazard Tier ranking system.
- **Low-Impact Solutions:** Direct links are provided to PRI's Pest Management Bulletins that provide information on low-impact methods of pest management for many common pests such as fleas, ants, cockroaches, rodents, head lice, microbes, as well as garden pests such as aphids, slugs and snails, and weeds. Bulletins also provide hazard information on active ingredients typically used on each pest.

PRI Pest Management Bulletins

Welcome, Emily Morse! **Pesticide Research Institute** **PRI Pest Management Bulletins**

Find out how to manage common pests in your home and garden using low-impact methods. PRI provides information on integrated pest management (IPM) techniques, common pesticides, and pesticide attributes. We help you pick low-impact solutions for your pest problems. PRI pest control bulletins provide you with solutions that keep pests out and your family, pets, and the environment safe.

Now Available—Free Pest Smart Website and Mobile App

Carrier 2:55 PM **Search**

Results **Product Info**

Pesticide Research Institute **Pest Smart®**

ASSAIL 70WP INSECTICIDE

Registration Number: 8033-23 EPA Registration: Active

Hazard Tier Assessment

This product is a Hazard Tier 2 product because:

- It is moderately toxic to birds.
- It is moderately toxic to aquatic invertebrates.
- It has high mobility in soil and potential to be a groundwater or surface water contaminant.

High hazard active does not necessarily equal high risk. Exposure must be considered as well.

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