
Product Name: Tetraperm® 8-20-40 WB Concentrate
Product Code: 15468
MSDS Number : ENV-0053
Version Date: October 5 2001

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Material Safety Data Sheet

----- 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION -----

Product Name: Tetraperm® 8-20-40 WB Concentrate

Product Code: 15468

MSDS Number : ENV-0053

Chemical Name: Mixture; a.i.'s, tetramethrin, permethrin,
PBO

EPA Registry Number: 73049-166

MANUFACTURER: Valent BioSciences Corporation
870 Technology Way, Suite 100
Libertyville, Illinois 60048

EMERGENCY TELEPHONE NUMBERS

Emergency Health or Spill:

Outside the United States: 651-632-6184

Within the United States: 877-315-9819

PRODUCT USE:

PRODUCT DESCRIPTION: This product is only for the formulation into insecticides for the following uses: Domestic Indoor (household), Domestic Outdoor (household, ornamental), Commercial/Industrial/Institutional Uses, Indoor Non-Food, Terrestrial Non-Food and Greenhouse Ornamentals.

----- 2. COMPOSITION / INFORMATION on INGREDIENTS -----

Component	Cas number	%
Tetramethrin	7696-12-0	8%
Permethrin	52645-53-1	20%
Piperonyl butoxide	51-03-6	40%
Aliphatic petroleum distillate	64742-88-7	5-10%
Aliphatic Petroleum Distillates	64742-47-8	2-4%
Other ingredients		> 3%

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----- 3. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

A medium-amber liquid with a faint sweetish odor that:

- Is harmful if swallowed.
- May cause allergic reaction in some individuals upon prolonged or frequently repeated skin contact.
- This product is extremely toxic to fish.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE:

Ingestion and skin contact.

SIGNS AND SYMPTOMS OF EXPOSURE:

Based on animal studies, this product may cause tremors, mucus membrane irritation, sneezing, lethargy, tremors and body spasms.

IMMEDIATE EFFECTS

SKIN:

Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

EYES:

Non-irritating

INGESTION:

Harmful if swallowed.

----- 4. FIRST AID MEASURES -----

After ingestion:

Call a physician or seek medical attention. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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----- **5. FIRE FIGHTING MEASURES** -----

FLAMMABLE PROPERTIES

Flash point: 150°F 65°C TCC

Advice on protection against fire and explosion:

FIRE AND EXPLOSION HAZARDS: Combustible. Do not use or store near heat or open flame.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

Suitable extinguishing media:

Carbon dioxide, dry chemical, foam or water.

----- **6. ACCIDENTAL RELEASE MEASURES** -----

Soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

----- **7. HANDLING and STORAGE** -----

Handling:

- Avoid skin contact.
- Avoid contamination of food and foodstuffs.

Storage:

Store upright at room temperature. Avoid exposure to extreme temperatures.

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----- **8. EXPOSURE CONTROLS / PERSONAL PROTECTION** -----

Hygiene measures:

- Wash thoroughly with soap and water after handling.

Personal protective equipment

Body protection:

Chemical-resistant gloves.

Eye protection:

Safety glasses.

----- **9. PHYSICAL and CHEMICAL PROPERTIES** -----

APPEARANCE: Medium-amber liquid

ODOR: Faint, sweetish, solvent odor

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 1.018 @ 21°C

SOLUBILITY (H₂O): NA

PH: 6.3 @ 21°C at a Concentration of: 1% v/v emulsion

VISCOSITY: 79 cp @ 21°C

DENSITY: 8.48 lbs/gal

----- **10. STABILITY and REACTIVITY** -----

CHEMICAL STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

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----- **11. TOXICOLOGICAL INFORMATION** -----

EYE EFFECTS

Non-irritating (rabbit)

SKIN EFFECTS

Irritation (rabbit): Slightly irritating

Absorption (rabbit): LD50 > 5,000 mg/kg

Sensitization (guinea pig): Positive

ACUTE ORAL EFFECTS

LD50 (rat) > 500 mg/kg and < 5000 mg/kg

ACUTE INHALATION EFFECTS

4-Hour LC50 (rat) = 8.976 mg/L

CHRONIC (CANCER INFORMATION)

A statistically significant increase in the number of benign liver tumors appeared in mice fed piperonyl butoxide technical at doses which far exceed any anticipated daily human intake. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.

A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

----- **12. ECOLOGICAL INFORMATION** -----

ECOTOXICOLOGICAL INFORMATION

ACUTE AND LONG-TERM TOXICITY TO FISH AND INVERTEBRATES

This product is extremely toxic to fish.

OTHER ENVIRONMENTAL INFORMATION

Do not discharge effluent containing this product to lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local

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----- **12. ECOLOGICAL INFORMATION (Continued)** -----

sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

----- **13. DISPOSAL CONSIDERATIONS** -----

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions 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 other approved State and local procedures.

----- **14. TRANSPORT INFORMATION** -----

PROPER SHIPPING NAME: Not DOT regulated

ADDITIONAL SHIPPING PAPER DESCRIPTION

If this product is shipped in quantities of 110 gallons or greater, then the following DOT classification applies:

Combustible Liquid, n.o.s.

(Petroleum Distillate)

NA1993, Class: Combustible Liquid, PG III

Hazard Label: NONE

----- **15. REGULATORY INFORMATION** -----

STATE REGULATIONS

California - No materials in this product are listed in Proposition 65.

The following chemicals associated with the product are subject to the right-to-know regulations in these states:

Tetramethrin (7696-12-0): NJ

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STATE REGULATIONS (Continued)

Permethrin (52645-53-1): MA, NJ
Piperonyl butoxide (51-03-6): NJ

U.S. FEDERAL REGULATIONS

TSCA inventory status
These components are not listed:
Tetramethrin 8% (7696-12-0)
Permethrin 20% (52645-53-1)
Other ingredients 25%

SARA 313 :
Tetramethrin 8% (7696-12-0)
Permethrin 20% (52645-53-1)
Piperonyl butoxide 40% (51-03-6)

INTERNATIONAL REGULATIONS

Die folgende(n) Chemikalie(n), die mit dem Produkt verbunden sind, sind auch auf folgenden internationalen Listen aufgeföhrt:

Tetramethrin (7696-12-0): EINECS
Permethrin (52645-53-1): EINECS
Piperonyl butoxide (51-03-6): CANADIAN DSL, EINECS
Aliphatic petroleum distillate (64742-88-7): CANADIAN DSL,
EINECS
Aliphatic Petroleum Distillates (64742-47-8): CANADIAN DSL,
EINECS

16. OTHER INFORMATION

HAZARD RATINGS

	HEALTH	FLAMM	REACT	OTHER
NFPA	1	2	0	-
HMIS	1	2	0	B

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----- **16. OTHER INFORMATION (Continued)** -----

LEGEND: N/A = Not Applicable
N/D = Not Determined
N/L = Not Listed
L = Listed
C = Ceiling
S = Short-term

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