UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

12 2012



45728-14

United States Environmental Protection Office of Pesticide Programs

NOV 12 2012

VJP Consulting, Inc. c/o Taminco, Inc 21320 Sweet Clover Place Ashburn, VA 20147

Attention: Vincent J. Piccirillo

Subject: Thionic ® Ziram Technical

EPA Registration No. 45728-14 Notification Dated November 15, 2012

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification:

- To add the statement "Nonrefillable container" to the Storage and Disposal section of the product label.

General Comments:

Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

ha Jerry /201

Marshall Swindell Product Manager (33) Regulatory Management Branch 1 Antimicrobials Division (7510P)

Please read instructions on rever	se before completing form			Form Approved, OM	3 No. 2070-00	60. Approval exnire
1164361640 (150060013 01 1640)		ted States		Registrat		OPP Identifier
SEPA			A	Amendm	ent	
			X Other			
		aton, DC 20460	Pesticide – Sect			1
1. Company/Product Number		plication for	2. EPA Product		3. Propo	sed Classification
45728-14		Marshall Swinde	Marshall Swindell			
4. Company/Product (Name) Thionic [®] Ziram Technical		PM# 33	PM # 33		one Rest	
5. Name and Address of App	blicant (Include ZIP Code)		6. Expedited R	eview. In accorda	nce with FI	RA Section 3(c)
Taminco Inc.			to:		ical in comp	
Two Windsor Plaza, Suite 41 7540 Windsor Drive		EPA Reg No.				
Allentown, PA 18195						
Check if this is a new ad	ddress		Product Name			
Amendment Explain b	nelow	Se	ection – II	ted labels in respo	nse to Ager	ncy letter dated
	561044			neu labelo il reopu	1.00 IO AYEI	
Resubmission in respor	nse to Agency letter dated	I	"Me Too"	' Application		
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VJP CONSULTING, INC.

21320 Sweet Clover Place Ashburn, VA 20147 703-858-5894 (voice) 703-858-5484 (fax)

November 15, 2012

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Document Processing Desk (NOTIF) Office of Pesticide Programs (7505P) U.S. Environmental Protection Agency Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501

Attn.: Marshall Swindell, Product Manager (33)

Subject: Notification for Thionic Ziram Technical (45728-14).

Dear Mr. Swindell:

On behalf of Taminco Inc., I am submitting this notification adding "Nonrefillable container" to the "Container Handling" section of the label. Although previously accepted labels indicated "Do not reuse or refill this container", the statement "Nonrefillable container" was not included.

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Enclosed are the following:

- 1. EPA Form 8570-1: Application for Registration
- 2. One copy of the label- Thionic Ziram Technical designated as 11/15/12VJP(EPA09/04/12, CDPRxxx)

Should you have any questions, please feel free to contact me.

Sincerely yours,

Vinent Aleccivillo

Vincent J. Piccirillo, Ph.D., DABT Authorized Agent for Taminco

cc. Ann Vermaete, Taminco Jean-Michel Denis, Taminco Rob Adams



Thionic[®] Ziram Technical

ACTIVE INGREDIENT:	
Ziram (Zinc dimethyldithiocarbamate)	98.25%
OTHER INGREDIENTS:	1.7 <u>5%</u>
TOTAL	100 00%

EPA Reg. No. 45728-14

EPA Est. 32537-BEL-1

KEEP OUT OF REACH OF CHILDRENDANGERPELIGRO

	FIRST AID
lf 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.
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
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.
lf 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.
	HOT LINE NUMBER
Have the prod	uct container or label with you when calling a poison control center or doctor, or going for

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco Inc., at (800) 223-3258 from 9:00 AM to 5:00 PM Eastern time.

NOTE TO PHYSICIAN

Possible mucosal damage may contraindicate gastric lavage.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes irreversible eye damage. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration, and the National Institute for Occupational Safety and Health. Use with adequate ventilation: Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before in-use.

Thionic Ziram Technical 11/15/12VJP (EPA09/04/12, CDPR xxx)

NOTIFICATIC Dute Reviewed: Withwed By:

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ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use only by manufacturers in the formulation of rabbit repellents or in the formulation of fungicide products for the following uses: almonds, apples, apricots, blueberries, blackberries, boysenberries, dewberries, youngberries, cherries, conifers/pine seedlings, grapes, nectarines, ornamentals, and ornamental fruit varieties, peaches, pears, pecans, strawberries and tomatoes. This product may be used in the formulation of material preservatives for the following non-pesticide products: latex paint, paper and paperboard, paper coatings, adhesives, dried films and industrial yams and fabrics and short term spoilage protection for water reduced industrial materials. See Bulletin Thionic-01 for directions for these uses. Subsequent formulators are responsible for providing documentation to support the registration of their product(s).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place in the original container and away from sources of ignition.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Taminco Inc. makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label.

NET WEIGHT: 55 POUNDS (25 KG)



Thionic Ziram Technical 11/15/12VJP (EPA09/04/12, CDPR xxx)

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[Optional Additional Uses and Directions For Use and Safety Measures]

SAFETY MEASURES, FIRST AID

- Wear chemical resistant gloves, inhalation mask or respirator, safety goggles or face shield, and coveralls.
- Provide adequate ventilation.
- Keep out of reach of children and away from food, drink, and feeding stuffs.
- Wash thoroughly with soap and water after handling.
- In case of contact with eyes, rinse immediately with plenty of water and contact a physician.
- In swallowed, drink large quantities of water and seek medical attention immediately.
- Store in a cool dry place, away from sparks or open flame.

APPLICATIONS

This product may be used in the formulation of fungicide products for the following uses:

- * Almonds
- * Apples
- * Apricots
- * Blueberries
- * Blackberries
- * Boysenberries
- * Dewberries
- * Youngberries
- * Cherries
- * Conifers/Pine Seedlings

- * Grapes
- * Nectarines
- * Ornamentals
- * Ornamental Fruit Varieties
- *Peaches * Pears
- * Pecans
- Fecalis
- *Strawberries
- *Tomatoes

This product may be used in the formulation of the following non-pesticide products:

- latex paint
- paper and paperboard
- paper coatings
- water reduced industrial materials

- adhesives
- industrial yarns and fabrics
- dried films

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

<u>Mold inhibitor for Latex Paint</u> - For exterior latex paints, use no more than 1% THIONIC based on total weight (equal to about 10 lbs. per 100 gallons). For all other paints, use no more than 3% THIONIC based on total weight (equal to no more than 30 lbs. per 100 gallons), added during the pigment-dispersion stage of manufacture. It is recommended that users of paints applied with an airless sprayer wear suitable respiratory protection. **Do not use in formulations containing metallic drier.**

Mold Resistant Paper and Paperboard - To impart mold resistant properties to paper or paperboard, apply as a surface treatment on size press or calendar stack. THIONIC diluted as required to retain 0.5% solids on the weight of the sheat. See TAPPI Standard T487M-54 for mold resistance evaluation method. Do not use for the manufacture of mold-resistant paper or paperboard intended for food packaging purposes.

Preservation of Paper Coatings - To preserve non-food contact paper coatings, add 0.1% THIONIC by weight or the dfy starch ورودون فردوند

Preservation of Adhesives - To preserve starch and synthetic latex adhesive formulations (dry, after water is added by anduser) against bacterial degradation add 0.185% to 0.5% THIONIC by weight of total composition, during manufacture of a dhesive composition. This product is cleared for use in adhesives used in food packaging (FDA § 175/105).

Preservation of Industrial Yarns and Fabrics - For long-term protection of industrial yarns and fabrics from mildews rots and bacterial decomposition, use 1.25% ± 0.25% THIONIC based on the weight of the material applied in water dispersion.

Thionic Ziram Technical 11/15/12VJP (EPA09/04/12, CDPR xxx) <u>Preservative for Dried Films</u> - The dried films of water-based or water-reduced industrial materials are often subject to defacement by mold and mildew. Such materials include wall and ceiling textures, wallpaper paste, wallboard, joint compounds, spackles, wood fillers, caulks and sealants. THIONIC should be added at 0.185 to 0.5% (based on potential dry-film solids weight) during the initial phase of formula preparation to assure adequate wetting and disbursement.

<u>Short-term Spoilage Protection</u> – THIONIC can supply short-term protection from spoilage to water-reduced industrial materials including wallboard compounds. For successful control of spoilage, the use of good quality water and clean manufacturing conditions are required. In ready-mix products, add 0.4 - 0.5% THIONIC to the water-based formula during manufacture, based on total weight. In dry-powder formulas, the amount of THIONIC added during final manufacture should be sufficient to attain 0.4 - 0.5% THIONIC in the final mixture, once water is added at the use site.

IMPORTANT

Consult with Taminco Inc. or the Environmental Protection Agency to obtain information on currently registered uses for Ziram as they are subject to change.

Subsequent formulators are responsible for providing documentation to support any required registration of their product(s).

Thionic[®] is a registered trademark of Taminco S.A., a Belgian corporation.



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THIONIC[®] ZIRAM TECHNICAL

DESCRIPTION

This Technical Bulletin is directed to formulators and their personnel to provide adequate information on the product. This information should be considered the basis for development and utilization of safe and proper handling procedures. For any further information, contact Taminco, Inc.

CHEMICAL FORMULA

[(CH₃)₂NCS₂]₂ Zn

PHYSICAL AND CHEMICAL PROPERTIES

- Active Ingredient Zinc dimethyldithiocarbamate98.25%

- Physical State

Creamy-white powder

- Odor Nil

- Melting Point Decomposes > 250° C

- pH (in 4% aqueous suspension) 7.29
- Solubility (in H2O) Soluble in part

- Bulk Density (g/cc) 0.25

PACKAGING

55 Pounds net multi-ply paper bags or other approved packaging.

CHEMICAL REACTIVITY

- Ziram is stable and non-corrosive. However, excessive heat and moisture should be avoided as should contact with strong oxidizers.
- Contact with inorganic acids liberates carbon disulfide.
- Incompatible with copper and mercury compounds.

FLAMMABILITY AND FIREFIGHTING

This product is considered noncombustible. However, under fire conditions, it may decompose and emit toxic fumes of carbon, nitrogen and sulfur oxides. (((,((),

Use standard extinguishing media - water, carbon dioxide, dry chemicals, or loam. When there is a contained breathing apparatus in positive pressure mode. In addition, impervious clothing should be worn. Use standard extinguishing media - water, carbon dioxide, dry chemicals, or foam. When there is a potential for exposure,

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into takes, 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 the discharge. De not. discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

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TOXICITY TO ANIMALS*

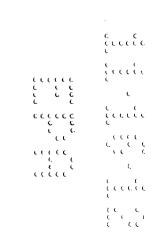
Oral LD ₅₀ (mg/kg) 320* (rat)
Dermai LD ₅₀ (mg/kg) >2,000* (rat)
Inhalation LC ₅₀ (mg/l) 0.07* (rat)
Primary Eye Irritation Corrosive* (rabbit)
Primary Skin Irritation No irritation (4-hrs) * (rabbit)
Skin Sensitization Sensitization rate of 30% * (guinea pig)
* Taminco Inc. Proprietary Study

HUMAN TOXICITY

ZIRAM is irritating to eyes, nose, throat, and skin. May be fatal if swallowed or inhaled. Harmful if absorbed through skin.

An antabuse-like reaction with flushing, sweating, headache, weakness and hypotension may occur when ethyl alcohol (alcoholic beverages) is ingested following exposure to this material.

Symptoms: Rhinitis, laryngitis, pharyngitis, gastritis, dermatitis disorders in metabolism, blood picture and in liver function.



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