



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
**236145**

**Application for Pesticide Section I**

1. Company/Product Number  
 241-212

2. EPA Product Manager  
 R. Forrest

3. Proposed Classification  
 None  Restricted

4. Company/Product (Name)  
 THIMET® MC-85 Insecticide

PM#

INSTRUMENT

5. Name and Address of Applicant (Include ZIP Code)  
 American Cyanamid Company  
 Agricultural Research Center  
 P.O. Box 400  
 Princeton, NJ 08543-0400  
 Check if this is a new address

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)  
 (b)(i), my product is similar or identical in composition and labeling to:  
 EPA Reg. No. \_\_\_\_\_  
 Product Name \_\_\_\_\_

**Section - II**

- Amendment - Explain below.
- Resubmission in response to Agency letter dated \_\_\_\_\_
- Notification - Explain below.
- Final printed labels in response to Agency letter dated \_\_\_\_\_
- "Me Too" Application.
- Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
 Notification as per PR Notice 95-1; Effluent Discharge Labeling Statement

**Section - III**

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1. Material This Product Will Be Packaged In:

Child Resistant Packaging <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
No. per container		No. per container	

6. Manner in Which Label is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  
 Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name John J. Wrubel	Title Product Registrations Manager	Telephone No. (Include Area Code) 609-799-0400
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Certification

I certify that the statements made on this form and the data on which they are based are true, accurate and complete. I understand that any false or misleading information may be punishable by law or imprisonment.

2. Signature <i>John J. Wrubel</i>	3. Title Product Registrations Manager	6. Date Application Received (Stamped)
4. Typed Name John J. Wrubel	5. Date 7/20/95	

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**THIMET®**  
**MC-85 insecticide**  
**For Manufacturing Purposes Only**

<b>Active Ingredient:</b>	
Phorate: 0,0-diethyl S-[(ethylthio) methyl] phosphorodithioate.....	85.0%
<b>Inert Ingredients:</b> .....	15.0%
<b>Total</b> .....	<b>100.0%</b>

(1 gallon contains 8.2 lbs. of Phorate)

EPA Reg. No. 241-212

EPA Est. No. 241-MO-1

**KEEP OUT OF REACH OF CHILDREN**

**DANGER!/PELIGRO!**



**POISON**



**See Side Panel For Additional Precautionary Statements**

**PRECAUCION AL USUARIO:** Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada en pláticas.

**FIRST AID**

**IF SWALLOWED:** Induce vomiting by sticking finger down throat or by giving soapy water to drink. Do not use if vomit is bloody. Never use vomit-inducers to a child younger than 12 years. Get medical attention.

**IF INHALED:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

**IF IN EYES:** Immediately flush eyes with plenty of water. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water while removing contaminated clothing and shoes. Wash clothes before reuse. Get medical attention.

Net Contents: 5.25 lbs.

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® Registered trademark of American Cyanamid Company

(6/95)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER!**

**Danger, fatal if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.**

**DO NOT GET IN EYES, ON SKIN, ON CLOTHING**

Wear clean rubber gloves, goggles and clean waterproof or freshly laundered protective clothing (coveralls, rubber boots, cap, etc.). Destroy and replace gloves frequently. Wash thoroughly with soap and warm water before eating or smoking. Bathe immediately after work and change all clothing. Wash clothing thoroughly with soap and hot water before re-use. In case of contact, immediately remove contaminated clothing and wash skin thoroughly with soap and water.

**DO NOT BREATHE MIST**

Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formally the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under provision of 30 CFR Part 11 for organic phosphate protection. If handled indoors, provide mechanical exhaust ventilation. Remove unauthorized persons from operating area.

**CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING**

**NOTE TO PHYSICIANS:** Warning symptoms include weakness, headache, tightness in chest, blurred vision, profuse sweating, pinpoint pupils, salivation, sweating profusely, vomiting, diarrhea, and abdominal cramps. Give atropine intramuscularly or intravenously, depending on severity of poisoning, 2 to 4 milligrams of atropine every 10 minutes until fully atropinized as shown by dilated pupils, dry flushed skin and tachycardia. Twenty to thirty milligrams, or more, may be required during the first 24 hours. Never give opiates or phenothiazine tranquilizers. Clear chest by postural drainage. Artificial respiration or oxygen administration may be necessary. Observe patient for at least 48 hours. Allow no further exposure to any cholinesterase inhibitor until fully recovered. Give activated charcoal and gastric lavage if indicated by symptoms.

For more information on the use of this product, contact your local distributor or call 1-800-368-5272. Use according to label directions.

**IN CASE OF AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL COLLECT, DAY OR NIGHT, AREA CODE 201-835-3100.**

American Cyanamid Company  
Agricultural Products Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©1995

LOT NO.-  
AV.GROSS-581

NET WT. -525

## ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirement 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 Environmental Protection Agency.

## STORAGE AND DISPOSAL

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

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**SPILLAGE:** Should spillage or leakage occur in transit, decontaminate area by covering spillage with an absorbent such as a soda, ash, lime, clay or sawdust. Sweep up and wash area thoroughly with a full-strength, liquid household chlorine bleach. Dispose of waste as above.

**PRIOR TO DISPOSAL:** Do not use air pressure or apply heat with open flame to remove contents of this container. Continue to observe all precautions, if any, on label. Do not cut, torch or weld on or near the emptied drum.

**CLEANUP:** Wash drum with 200 gallons of water, 1 quart of detergent and 2 pounds of caustic soda per 100 gallons. Wet all surfaces and let stand for 15 minutes. Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## DIRECTIONS FOR USE

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

Before using THIMET technical for the preparation of insecticides, manufacturers should consult American Cyanamid Company for manufacturing and handling instructions.

For formulation into end-use products and/or semi-finished products intended for outdoor, non-domestic use on terrestrial food crops: beans, corn (field and sweet), cotton, peanuts, potato, sorghum, soybeans, sugar beets, sugarcane, and wheat.

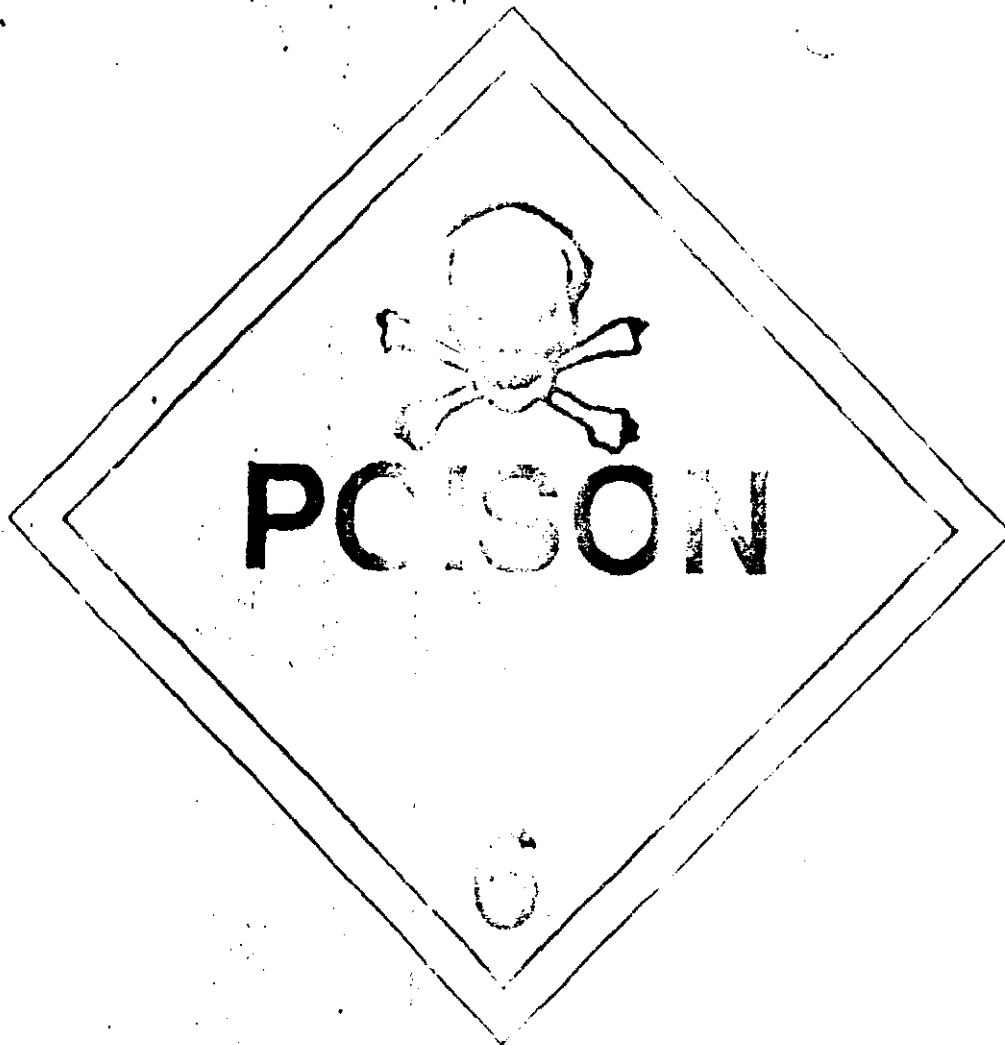
Refer to attached Technical Bulletin for formulating and other information.

**DISCLAIMER**

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, or any other special or indirect damages.

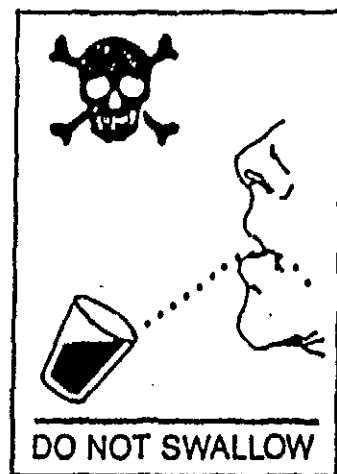
American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

BUYER assumes the risk of any use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.



ORGANIC PHOSPHATE COMPOUND, LIQUID, N.O.S.  
POISON B, HA 2783, RQ (PHOSPHATE)

DANGER—POISON



DO NOT SWALLOW

CAN KILL YOU IF SWALLOWED

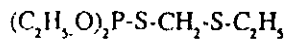
This product can kill you if swallowed even in small amounts.



DO NOT TOUCH

CAN KILL YOU IF SKIN CONTACTED

This product can kill you if touched by hand or splashed on skin or on clothing (through clothes).



**EMPIRICAL FORMULA:** C<sub>7</sub>H<sub>17</sub>O<sub>2</sub>PS<sub>3</sub> Mol. Wt. 260.37

**COMMON NAME:** phorate

**CLASS:** organophosphate

**CHEMICAL AND PHYSICAL PROPERTIES:** Technical THIMET® soil and systemic insecticide is a clear liquid with a melting point of less than -15°C. The water solubility is quite low, approximately 50 ppm. It is miscible with xylene, vegetable oils, carbon tetrachloride, alcohol, acetone, and ether. At room temperature technical THIMET is known to be stable for at least 5 years. It is subject to hydrolysis under alkaline conditions. The technical and formulations have satisfactory stability.

**THIMET COMMERCIAL PRODUCTS:** To effectively meet the variety of pest control needs, THIMET, 2 formulations are available: THIMET 15G and THIMET 20G. The granules are formulated on #4/48 mesh size attapulgite-type carriers. They are free flowing granules that allow for easy calibration of application equipment.

**PHYTOTOXICITY:** Injury may occur if THIMET granules are placed in direct contact with the seeds of beans, soybeans, field and sweet corn, grain sorghum and sugar beets.

**REGULATORY INFORMATION:** Registration Division, Environmental Protection Agency, registered label claims for use are listed in this bulletin. For more information on THIMET less than 1000 lbs per acre, contact your local EPA office.

**TOXICITY:** THIMET® technical and its formulations are poisonous by skin contact, inhalation or swallowing. THIMET formulations have been registered with the Environmental Protection Agency for various insecticidal uses by different methods of application. It is important that you use THIMET formulations only for the specific purposes for which they are registered, and that you read and follow the precautionary instructions on the label before using.

The acute oral toxicity of THIMET 15G and THIMET 20G is as follows:

	<u>Oral LD<sub>50</sub> (rat)</u>	<u>Dermal LD<sub>50</sub> (rat)</u>
THIMET 15G	27 mg/kg	207 mg/kg
THIMET 20G	2.1 mg/kg	32.5 mg/kg

THIMET 15G is mildly irritating to rabbit skin and eyes, THIMET 20G is irritating to rabbit eyes.

Phorate can be absorbed through ocular exposure and can produce systemic effects. Airborne phorate can be absorbed into the lungs to produce cholinesterase inhibition.

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**HANDLING AND STORING: DO NOT BREATHE DUST, GET IN EYES, ON SKIN OR ON CLOTHING.** Persons handling this product should wear freshly laundered long-sleeved work clothing, a NIOSH approved respirator and cotton or butyl rubber gloves. Cotton gloves should be laundered or discarded after each use. Butyl rubber gloves should be washed with soap and water after each use. Destroy and replace gloves frequently. Wash hands thoroughly before eating, smoking or going to the bathroom. At the end of the work day, a shower should be taken and clothes changed completely. Work clothing should be laundered separately before reuse.

In case of contact, immediately remove contaminated clothing and wash the affected area thoroughly with soap and water. Symptoms of organophosphate poisoning include headache, blurred vision, constricted pupils, weakness, nausea, abdominal cramps, diarrhea and a feeling of tightness in the chest. Excessive sweating and excessive salivation may also be present. A physician should be called immediately in all suspected cases of organophosphate poisoning. The physician may call American Cyanamid at (201) 835-3100 for additional assistance and information if needed.

Keep containers tightly closed and store in a well ventilated area. Never store pesticides adjacent to products intended for human or animal consumption. Do not use or store THIMET in or around the home.

**SPILL AND LEAK PROCEDURES:** Restrict traffic in the area of the spill. Individuals performing cleanup and decontamination must wear proper protective equipment which includes; butyl rubber gloves, rubber boots, washable protective coveralls, cap, NIOSH approved respirator and goggles.

Cleanup personnel should carefully sweep up spilled material and place into an approved, labeled container (salvage drum). Material should be reworked or disposed of in accordance with Federal (EPA) and State Regulations. Also place broken bags into approved, labeled containers. After cleanup, scrub the affected area thoroughly with a solution of 85% water, 10% bleach (e.g. Clorox) and 5% isopropyl alcohol. Allow the solution to stand for 10-15 minutes. Absorb the solution with an absorbent material such as clay or dirt litter and dispose of as outlined above. Thoroughly rinse the affected area with water and repeat the process. At the completion of cleanup and decontamination procedures, the cleanup personnel must shower and change clothes completely. Clothing must be laundered separate from other wash before reuse. Gloves, boots, respirator and goggles must be cleaned and decontaminated.

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