



United States  
Environmental Protection  
Agency

Prevention, Pesticides  
And Toxic Substances  
(7508P)

EPA738-R-07-002  
March 2007

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# **Reregistration Eligibility Decision**

# **Aliphatic Esters**

**List D**

**Case No. 4005**

Reregistration Eligibility Decision (RED) Document  
for Aliphatic Esters

Approved by:

Debra Edwards

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Director

Special Review and Reregistration Division

Date:

March 13, 2007





























In order to be eligible for reregistration, amend all product labels to incorporate the risk mitigation measures outlined in Section IV. The following table describes how language on the labels should be amended.

<b>Table 5: Summary of Labeling Changes for the Methyl Esters of Fatty Acids</b>		
<b>Description</b>	<b>Amended Labeling Language</b>	<b>Placement on Label</b>
Manufacturing-Use Products		
Required on all MUPs	“Only for formulation into a plant growth regulator for the following use(s) [fill blank only with those uses that are being supported by MP registrants].”	Directions for Use
One of these statements may be added to a label to allow reformulation of the product for a specific use or all additional uses supported by a formulator or user group.	<p>“This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).”</p> <p>“This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).”</p>	Directions for Use
Environmental Hazards Statements Required by the RED and Agency Label Policies	“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 wash-waters.”	Directions for Use
End Use Products Intended for Occupational Use		
PPE Requirements Established by the RED <sup>1</sup> for liquid (including	<p>“Personal Protective Equipment (PPE)”</p> <p>“All mixers, loaders, applications and other handlers must wear:</p>	Immediately following/below Precautionary Statements:

<p>emulsifiable concentrate) formulations</p>	<p>&gt; Long-sleeved shirt and long pants,  &gt; Shoes plus socks, and  &gt; A NIOSH-approved respirator with  -- an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or  -- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or  -- an organic-vapor cartridge or canister with any N*, R or P or He prefilter.”</p> <p><i>* Note to Registrant:</i> Drop the “N” type prefilter from the respirator statement, if the pesticide product contains, or is used with, oil.</p>	<p>Hazards to Humans and Domestic Animals</p>
<p>User Safety Requirements</p>	<p>“Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.”</p> <p>“Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.”</p>	<p>Precautionary Statements: Hazards to Humans and Domestic Animals immediately following the PPE requirements</p>
<p>User Safety Recommendations</p>	<p>“User Safety Recommendations</p> <p>Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</p> <p>Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</p> <p>Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing*. As soon as possible, wash thoroughly and change into clean clothing.”</p>	<p>Precautionary Statements under: Hazards to Humans and Domestic Animals immediately following Engineering Controls</p> <p>(Must be placed in a box.)</p>

	* Remove the gloves statement if the end use product does not require gloves based on the product acute toxicity tests.	
Environmental Hazards	“Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.”	Precautionary Statements immediately following the User Safety Recommendations
Restricted-Entry Interval for products with directions for use within scope of the Worker Protection Standard for Agricultural Pesticides (WPS)	“Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.”	Directions for Use, Under Agricultural Use Requirements Box
Early Entry Personal Protective Equipment for products with directions for use within the scope of the WPS	“PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: * coveralls, * shoes plus socks, * chemical-resistant gloves made of any waterproof material.”	Direction for Use Agricultural Use Requirements box
General Application Restrictions	“Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.”	Place in the Direction for Use directly above the Agricultural Use Box.

<sup>1</sup> PPE that is established on the basis of Acute Toxicity of the end-use product must be compared to the active ingredient PPE in this document. The more protective PPE must be placed in the product labeling. For guidance on which PPE is considered more protective, see PR Notice 93-7.



**Appendix A: Use Patterns Subject to Reregistration of Aliphatic Esters**

<b>Active ingredient</b>	<b>Commodity</b>	<b>Site</b>	<b>Application</b>	<b>Formulation</b>	<b>Application Equipment</b>	<b>Directions for Use</b>
Methyl esters of Fatty Acids (PC 079034)	Ornamentals: azalea, cotoneaster, juniper, ligustrum, rhamnus, taxus (yew)	Inside and outside greenhouses	Spray until the growing tips are covered.	Emulsifiable Concentrate	Handgun sprayers High and Low pressure handwands	Do not re-spray plants; one spray application per pinch. Do not re-spray plants within 24 hours.











## Appendix E. List of Available Related Documents and Electronically Available Forms

Pesticide Registration Forms are available via the Agency's website at <http://www.epa.gov/opprd001/forms/>.

Pesticide Registration Forms (These forms are in PDF format and require the Acrobat reader)

### Instructions

1. Print out and complete the forms. (Note: Form numbers that are bolded can be filled out on your computer then printed).
2. The completed form(s) should be submitted in hard copy in accord with the existing policy.
3. Mail the forms, along with any additional documents necessary to comply with EPA regulations covering your request, to the address below for the Document Processing Desk.

DO NOT fax or e-mail any form containing 'Confidential Business Information' or 'Sensitive Information.'

If you have any problems accessing these forms, please contact Nicole Williams at (703) 308-5551 or by e-mail at [williams.nicole@epa.gov](mailto:williams.nicole@epa.gov).

The following Agency Pesticide Registration Forms are currently available via the Internet at the following locations:

8570-1	Application for Pesticide Registration/Amendment	<a href="http://www.epa.gov/opprd001/forms/8570-1.pdf">http://www.epa.gov/opprd001/forms/8570-1.pdf</a>
8570-4	Confidential Statement of Formula	<a href="http://www.epa.gov/opprd001/forms/8570-4.pdf">http://www.epa.gov/opprd001/forms/8570-4.pdf</a>
8570-5	Notice of Supplemental Registration of Distribution of a Registered Pesticide Product	<a href="http://www.epa.gov/opprd001/forms/8570-5.pdf">http://www.epa.gov/opprd001/forms/8570-5.pdf</a>
8570-17	Application for an Experimental Use Permit	<a href="http://www.epa.gov/opprd001/forms/8570-17.pdf">http://www.epa.gov/opprd001/forms/8570-17.pdf</a>
8570-25	Application for/Notification of State Registration of a Pesticide To Meet a Special Local Need	<a href="http://www.epa.gov/opprd001/forms/8570-25.pdf">http://www.epa.gov/opprd001/forms/8570-25.pdf</a>
8570-27	Formulator's Exemption Statement	<a href="http://www.epa.gov/opprd001/forms/8570-27.pdf">http://www.epa.gov/opprd001/forms/8570-27.pdf</a>
8570-28	Certification of Compliance with Data Gap Procedures	<a href="http://www.epa.gov/opprd001/forms/8570-28.pdf">http://www.epa.gov/opprd001/forms/8570-28.pdf</a>
8570-30	Pesticide Registration Maintenance Fee Filing	<a href="http://www.epa.gov/opprd001/forms/8570-30.pdf">http://www.epa.gov/opprd001/forms/8570-30.pdf</a>
8570-32	Certification of Attempt to Enter into an Agreement with other Registrants for Development of Data	<a href="http://www.epa.gov/opprd001/forms/8570-32.pdf">http://www.epa.gov/opprd001/forms/8570-32.pdf</a>
8570-34	Certification with Respect to Citations of Data (PR Notice 98-5)	<a href="http://www.epa.gov/oppmsd1/PR_Notices/pr98-5.pdf">http://www.epa.gov/oppmsd1/PR_Notices/pr98-5.pdf</a>
8570-35	Data Matrix (PR Notice 98-5)	<a href="http://www.epa.gov/oppmsd1/PR_Notices/pr98-5.pdf">http://www.epa.gov/oppmsd1/PR_Notices/pr98-5.pdf</a>
8570-36	Summary of the Physical/Chemical Properties (PR Notice 98-1)	<a href="http://www.epa.gov/oppmsd1/PR_Notices/pr98-1.pdf">http://www.epa.gov/oppmsd1/PR_Notices/pr98-1.pdf</a>
8570-37	Self-Certification Statement for the Physical/Chemical Properties (PR Notice 98-1)	<a href="http://www.epa.gov/oppmsd1/PR_Notices/pr98-1.pdf">http://www.epa.gov/oppmsd1/PR_Notices/pr98-1.pdf</a>



