



Washington State Department of Agriculture  
 Pesticide Management Division  
 1111 Washington Street SE, 2nd Floor  
 P.O. Box 42589 • Olympia, WA 98504-2589  
 Telephone: (360) 902-2030 • FAX: (360) 902-2093  
 E-mail [pestreg@agr.wa.gov](mailto:pestreg@agr.wa.gov) • Web site <http://agr.wa.gov>

## SUPPLEMENTAL INFORMATION FOR SPRAY ADJUVANT REGISTRATION

(BEFORE YOU COMPLETE THIS FORM, PLEASE REFER TO INSTRUCTIONS ON REVERSE)

Spray Adjuvant Brand Name:		Registrant:
Spray adjuvant function(s) claimed:		
Have efficacy studies been conducted?	Are all ingredients exempt from tolerance under 40 CFR 180? (food use only)	Have mammal toxicity studies been conducted? If yes, list values below.
Have phytotoxicity studies been conducted?	Have aquatic toxicity studies been conducted? If yes, list values below.	Have biodegradation studies been conducted?
<b>Mammal Acute Toxicity Data:</b>		
Oral LD <sub>50</sub> (mg/kg) <sup>1</sup> : Species:	Dermal LD <sub>50</sub> (mg/kg) <sup>1</sup> : Species:	Inhalation LC <sub>50</sub> (mg/l) <sup>1</sup> : Species:
Eye irritation (category) <sup>1</sup> : Species:	Skin irritation (category) <sup>1</sup> : Species:	Dermal sensitization: Species:
Signal word:	PPE required:	
<b>Aquatic Acute Toxicity Data:</b>		
Fish LC <sub>50</sub> (mg/l) <sup>2</sup> : Species:	Fish NOEC (mg/l) <sup>2</sup> : Species:	
Invertebrate EC <sub>50</sub> (mg/l) <sup>3</sup> : Species:	Invertebrate NOEC (mg/l) <sup>3</sup> : Species:	
Citations for studies referenced above [author(s), title, journal & page numbers (if applicable), date]:		
Print Name:		Title:
Signature:		Date:

<sup>1</sup> Value (mg/kg or mg/l) or category, species (e.g. rat or rabbit) and time period (e.g. 24-hr).  
<sup>2</sup> Value (mg/l), species and time period (e.g. 96-hr). Rainbow trout (*Oncorhynchus mykiss*) is preferred.  
<sup>3</sup> Value (mg/l), species and time period (e.g. 48-hr). *Daphnia magna* or *Daphnia pulex* are preferred.

## Required Information

- **Spray adjuvant functions claimed** – Terms must be recognized by ASTM International (ASTM) Standard E 1519 or E 609 and must be consistent with product ingredients. If ASTM has not defined a term, WSDA will determine the appropriate function statement. Information on obtaining ASTM standards is available on the ASTM web site at [www.astm.org](http://www.astm.org).
- **Ingredients exempted from tolerance under 40 CFR 180** - Information is used to determine if ingredients are permitted for use on food or feed crops (if applicable). 40 CFR 180 is available on the Government Printing Office web site at <http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=%2Findex.tpl>.
- **Mammal acute toxicity** – Information on product acute toxicity (oral, dermal, inhalation, eye irritation and skin irritation) is needed to determine the appropriate signal word (danger, warning or caution) and precautionary statements (including personal protective equipment and first aid, when applicable). WSDA recommends using EPA Health Effects Test Guidelines for acute toxicity testing (OPPTS 870.1100, 870.1200, 870.1300, 870.2400, and 870.2500) to determine product toxicity. Test guidelines are available on the EPA web site at [www.epa.gov/ocspp/pubs/frs/home/guidelin.htm](http://www.epa.gov/ocspp/pubs/frs/home/guidelin.htm). **If mammal acute toxicity studies have not been conducted on the product, submit information for the product components.**
- **Aquatic acute toxicity (aquatic use)** – Aquatic acute toxicity data is needed for fish and aquatic invertebrates if the product is labeled for aquatic use. WSDA requires using EPA Ecological Effects Test Guidelines for fish acute toxicity testing (OPPTS 850.1075) and aquatic invertebrate acute toxicity testing (OPPTS 850.1010). WSDA criteria for aquatic use are available at WSDA web site <http://agr.wa.gov/PestFert/definitions/DefinitionCriteriaRegistrationSprayAdjuvantsAquatic.pdf>. Test guidelines are available on the EPA web site at [www.epa.gov/ocspp/pubs/frs/home/guidelin.htm](http://www.epa.gov/ocspp/pubs/frs/home/guidelin.htm).

## Requested Information

- **Efficacy** – Studies conducted by registrant or a recognized research institution demonstrating that product performs all functions claimed. WSDA may require submission of efficacy studies if functions claimed are not consistent with product ingredients, or if label statements appear to be false or misleading.
- **Phytotoxicity** – Important if adjuvant will be applied to desirable plants.
- **Biodegradation** – Persistence of product in the environment. WSDA recommends using EPA Fate, Transport and Transformation Test Guidelines for aerobic aquatic biodegradation (OPPTS 835.3100) and anaerobic biodegradability of organic chemicals (OPPTS 835.3400). Test guidelines are available on the EPA web site at [www.epa.gov/ocspp/pubs/frs/home/guidelin.htm](http://www.epa.gov/ocspp/pubs/frs/home/guidelin.htm).
- **Mammal acute toxicity** - Information on product dermal sensitization. WSDA recommends using EPA Health Effects Test Guidelines for acute toxicity testing (OPPTS 870.2600) to determine product toxicity. Test guidelines are available on the EPA web site at <http://www.epa.gov/ocspp/pubs/frs/home/guidelin.htm>.

## **WSDA CONTACT INFORMATION**

Contact the WSDA Pesticide Registration Section at (360) 902-2030 or email [pestreg@agr.wa.gov](mailto:pestreg@agr.wa.gov) for additional information. Forms are available on the WSDA web site at <http://agr.wa.gov>.

*Inquiries regarding the availability of this information in an alternative format should be directed to the WSDA Receptionist at (360)902-1976, or Telecommunications Device at (TDD) at (360) 902-1996.*