GUIDANCE FOR REGISTRATION AND LABELING OF SPRAY ADJUVANTS

Submit a complete application with the following to avoid delays in the registration process:

☐ A complete and signed Application For Registration Of Pesticides (AGR 630-4216)
☐ Spray Adjuvant Product Label(s) in searchable PDF format at 300dpi
☐ The Safety Data Sheet (SDS) is required for products subject to Globally Harmonized System (GHS) or Supplemental Information for Spray Adjuvant Registration (AGR 630-4119). The Supplemental is required when the adjuvant is intended for aquatic use or when the product does not require a SDS, such as for consumer products.
☐ Confidential Statement of Formula(s)(CSF) (AGR 630-4325) If the adjuvant product is a 100% repack, or if it contains a proprietary component, please ensure that your supplier has submitted the CSF (even if the supplier’s CSF is already on file at WSDA.)
☐ Registration fee of $390.00 per product for 2 years ($195.00 if product is registered during 2nd year of cycle.)

Spray Adjuvant/Pesticide registration forms and information are available on the WSDA web site at agr.wa.gov/PestFert/Pesticides/ProductRegistration.aspx#Adjuvants

LABEL ELEMENTS

If the adjuvant product is a repack ensure that your supplier has reviewed your label and that the required label elements are consistent with the Confidential Statement of Formula (CSF) and the Safety Data Sheet (SDS).

Required Label Elements (Refer to 16-228-1400 WAC and sample label at the end of this guidance document):

1. Product Brand Name
2. Adjuvant Function Statement *
3. Ingredients Statement**
4. Keep Out of Reach of Children Statement
5. Precautionary Statements: Pictograms, Signal word and Hazard Statements ***
6. Directions For Use
7. Aquatic Use Statement****
8. Storage and Disposal
9. Product Weight
10. Name and Address of Registrant

Optional: Washington Registration and Label Identification Code (Revision Date)

For more information on *, **, ***, and ****--see below

*Adjuvant Function Statement--Must be consistent with the function stated on the CSF and terms from the ASTM International Standard E1519 and E609. If two or more functions are claimed, then the functions must be listed in descending order. Examples of acceptable functions for spray adjuvants include the following terms: acidifier, activator, antifoaming agent, buffering agent, compatibility agent, defoaming agent, deposition aid, drift control agent, emulsifier, extender, foaming agent, nonionic surfactant, penetrant, petroleum oil, spreader, sticker, surfactant, vegetable oil and wetting agent.

**Ingredients Statement—The three primary principal functioning agents (PFA) must be listed on the label in descending order. The ingredients on the label must match the chemical name(s) on the CSF. The label must include an accurate percentage statement. The total of active and inert ingredients must equal 100%. The phrase "Total = 100%" must be stated below the PFA’s and Constituents Ineffective as Spray Adjuvants (CIASA). Products containing petroleum distillates, xylene or xylene range aromatic solvents of at least 10% will be shown immediately below the ingredient statement as a footnote (example: *Contains petroleum distillates).
***Pictograms, Signal word, and Hazard Statements (First Aid, Precautionary and PPE)**

GHS is the Globally Harmonized System of Classification and Labeling of Chemicals developed to promote a universal standard for hazard communication. If your adjuvant is subject to GHS, then the label must follow the SDS and WSDA's Guidance on Globally Harmonized System (GHS) Implementation for Spray Adjuvants. Use the applicable label elements, including hazard pictogram, signal words and hazard statements from your adjuvant’s SDS. (For example, “Causes skin irritation.”) The hazard statements found on the SDS should be the same ones used on the label. Information about GHS is available from Washington State Department of Labor & Industries (L&I) at [www.lni.wa.gov/Safety/Topics/AtoZ/ghs/](http://www.lni.wa.gov/Safety/Topics/AtoZ/ghs/) or refer to L&I's Questions and Answers: Hazard Communication Standard. Additional information is available from Occupational Safety and Health Administration (OSHA) at [www.osha.gov/dsg/hazcom/hazcom-faq.html](http://www.osha.gov/dsg/hazcom/hazcom-faq.html). Some low level hazardous categories do not require signal words. HazCom 2012 may not apply to consumer products.

If your product is not subject to GHS, then all applicable label elements (signal word, first aid, precautionary language, and storage and disposal) must be consistent with EPA regulations and the results of acute toxicity tests. Product Hazard Signal Words must be assigned based on the results of studies for dermal toxicity, oral toxicity, and eye irritation. The required Signal Word is determined by the most severe toxicity category to which a product is assigned based on the results of applicable acute toxicity studies. Refer to EPA’s Label Review Manual, which is available at [www2.epa.gov/pesticide-registration/label-review-manual](http://www2.epa.gov/pesticide-registration/label-review-manual).

****Aquatic Use Restrictions

Most labels will prohibit aquatic use and include the restriction “NOT FOR AQUATIC USE” unless aquatic toxicity data supports this use. If the adjuvant is labeled for aquatic use, aquatic toxicity studies are required for fish and aquatic invertebrates. The preferred fish species is rainbow trout (*Oncorhynchus Mykiss*). WSDA requires the use of EPA Ecological Effects Test Guidelines for fish acute toxicity testing ([OPPTS 850.1075](http://www2.epa.gov/test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic-substances)) and aquatic invertebrate acute toxicity testing ([OPPTS 850.1010](http://www2.epa.gov/test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic-substances)). WSDA criteria for aquatic use are available on the WSDA web site at [WSDA Aquatic Criteria](http://www2.epa.gov/test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic-substances). Test guidelines are available on the EPA web site at [Final Test Guidelines for Pesticides and Toxic Substances](http://www2.epa.gov/test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic-substances).

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**WSDA’s CONFIDENTIAL STATEMENT OF FORMULA (AGR 630-4325)**

All Ingredients must be listed by the common chemical name and include the correct Chemical Abstracts Service (CAS) number. Chemical names and CAS numbers can be found at [www.epa.gov/pesticides/inertfinder](http://www.epa.gov/pesticides/inertfinder). Avoid the use of broad chemical or groups names. If the adjuvant product is a 100% repack, or if it contains a proprietary component, please ensure that your supplier has submitted the CSF (even if the supplier’s CSF is already on file at WSDA).

**Food or Feed Crops**—All ingredients (except water) must be exempt from the requirements of a tolerance if the product is labeled for use on food or feed crops (including most aquatic sites). The chemical name and citation are available on the EPA web site at [www.epa.gov/pesticides/inertfinder](http://www.epa.gov/pesticides/inertfinder).

**Ingredients not listed in 40 CFR 180**—WDSA will consider registration of adjuvants with ingredients that are not listed in 40 CFR 180 if the products are labeled for non-food and non-feed crops only (e.g. forestry, non-cropland ornamental, right-of-way, turf).

**WSDA CONTACT INFORMATION**

Contact the WSDA Pesticide Registration Section at (360) 902-2025 or email pestreg@agr.wa.gov for additional information. Forms are available on the WSDA web site at 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 for the Deaf (800) 833-6388.
XYZ Premium Spray Adjuvant

Nonionic Surfactant

PRINCIPAL FUNCTIONING AGENTS:
Alcohol ethoxylate, alkylphenol ethoxylate, tall oil fatty acids.................................80.0%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS: ........................................20.0%
TOTAL: .........................................................................................................................100.0%

Ingredients exempt from the requirements of a tolerance under 40 CFR 180.

KEEP OUT OF REACH OF CHILDREN

WARNING

Causes skin irritation. Causes eye irritation. May be harmful if swallowed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Wear protective gloves, long-sleeved shirt, long pants and shoes plus socks.

FIRST AID
IF ON SKIN (or hair) remove/take off all contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. If skin irritation occurs, get medical advice.
IF IN EYES: Immediately flush eyes with water for at least 10 minutes, holding the eyelids apart and seek medical attention. IF SWALLOWED, rinse mouth: Obtain immediate medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.

ENVIRONMENTAL HAZARDS
Do not contaminate water sources by cleaning of equipment or disposal of wash water.

DIRECTIONS FOR USE
XYZ Premium Spray Adjuvant is a general purpose non-ionic surfactant, which can be used with most insecticides, fungicides, herbicides, acaricides, defoliants, desiccants and wettable powders to improve performance of the active spray ingredient by giving them more uniform distribution and better wetting of the plant surface. Always read and follow the label of the pesticide(s) and additive(s) to be used with this product. Always refer to the pesticide and additive label(s) for additional directions or precautions. Follow the most restrictive label. Variations in conditions of use can cause some variation in the amount of this product required. The minimum required to give a smooth, uniform coverage usually gives the most effective results.

NOT FOR AQUATIC USE.

Applications | This Product per 100 Gallons of Mix
---|---
Insecticides | 3 to 8 fluid ounces
Fungicides | 3 to 8 fluid ounces
Herbicides | 1 to 2 pints

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal. Store in a dry place. Store in closed container.

PRODUCT DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit the ACRC web page at www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

Net Contents: 2.5 Gals.

Manufactured By: XYZ Chemical Company • 12345 Adjuvant Ave • Anytown, WA 98900 • (800) 000-0000 Label ID # 56789-0215
SPRAY ADJUVANT CONFIDENTIAL STATEMENT OF FORMULA

<table>
<thead>
<tr>
<th>Company Name on Application: XYZ Chemical Company</th>
<th>Product Name on Application: XYZ Premium Spray Adjuvant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name (supplier for repacks or components only):</td>
<td>Name of Producer’s Product and WSDA Reg # (if applicable):</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Principal Functioning Agents (PFA)</th>
<th>CAS Number (Mandatory)</th>
<th>Name of Supplier</th>
<th>Spray Adjuvant Function(s) Performed</th>
<th>Nominal Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylate</td>
<td>68002-97-1</td>
<td>ABC Chemical Company</td>
<td>Non-ionic surfactant</td>
<td>65%</td>
</tr>
<tr>
<td>Alkylphenol ethoxylate</td>
<td>9016-45-9</td>
<td>DEF Corporation</td>
<td>Wetting agent; penetrant</td>
<td>10%</td>
</tr>
<tr>
<td>Tall oil fatty acids</td>
<td>8002-26-4</td>
<td>DEF Corporation</td>
<td>Emulsifier</td>
<td>5%</td>
</tr>
</tbody>
</table>

Total Percentage of PFA: 80%

<table>
<thead>
<tr>
<th>Constituents Ineffective as Spray Adjuvants (CIASA)</th>
<th>CAS Number</th>
<th>Name of Supplier</th>
<th>Purpose in Formulation</th>
<th>Nominal Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>GHI Inc</td>
<td>Coupling Agent</td>
<td>7%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Local water supply</td>
<td>Diluent</td>
<td>13%</td>
</tr>
</tbody>
</table>

Total Percentage of CIASA: 20%

Total Percentage of All Ingredients (Must Equal 100%): 100%

Name of Official and Company Name Certifying Formula (print): John Doe Smith, President XYZ Chemical Company

Signature: John Doe Smith

Date: 9/30/2016
**Principal Functioning Agents** – Includes all ingredients in the formulation that are performing an adjuvant function.

- **Common Chemical Name and Chemical Abstracts Service (CAS) Number** – Required for all ingredients. If any ingredients are listed by the supplier's brand name, have the supplier submit a CSF and letter of authorization to the WSDA.
- **Name of Supplier** – Include phone number or e-mail contact information.
- **Spray Adjuvant Function(s) Performed** – Defined by the ASTM International (ASTM) or WSDA. Acidifier, antifoaming agent, and nonionic surfactant are examples of adjuvant functions. Information on obtaining ASTM standards is available on the ASTM web site at [www.astm.org](http://www.astm.org).
- **Nominal Percentage** – List a specific value for each ingredient in the formulation. Do not list a range of values.
- **Total Percentage of Principal Functioning Agents**.

**Constituents Ineffective as Spray Adjuvants** – Includes all other ingredients in the formulation.

- **Common Chemical Name and Chemical Abstracts Service (CAS) Number** – Required for all ingredients. If any ingredients are listed by the supplier's brand name, have the supplier submit a CSF and letter of authorization to the WSDA.
- **Name of Supplier** – Include phone number or e-mail contact information.
- **Purpose in Formulation** – Include the purpose for each ingredient. For example, water is a diluent.
- **Nominal Percentage** – List a specific value for each ingredient in the formulation. Do not list a range of values.
- **Total Percentage of Constituents Ineffective as Spray Adjuvants**.

**Total Percentage of All Ingredients** – Must equal 100%.

**WSDA CONTACT INFORMATION**
Contact the WSDA Pesticide Registration Section at (360) 902-2025 or email [pestreg@agr.wa.gov](mailto:pestreg@agr.wa.gov) for additional information. Forms are available on the WSDA web site at [agr.wa.gov](http://agr.wa.gov).