



Washington State Department of Agriculture
Pesticide Management Division
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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) (searchable PDF format, unprotected, and optimized).
- The Safety Data Sheet (SDS) is required for products subject to [Globally Harmonized System \(GHS\)](#).
- Confidential Statement of Formula (CSF) ([AGR 630-4325](#)) If the adjuvant is a 100% repack, or if the formula contains a proprietary component, please ensure that your supplier has submitted a CSF.
- 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 guidance documents are available on the WSDA web site at <https://agr.wa.gov/PestFert/Pesticides/SprayAdjuvants.aspx>

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 WAC [16-228-1400](#) and sample label at the end of this guidance document):

- ① **Product Brand Name**
- ② **Adjuvant Function Statement ***
- ③ **Ingredient 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, antifoaming agent, buffering agent, compatibility agent, crop oil, defoaming agent, deposition aid, drift control agent, emulsifier, extender, humectant, nonionic surfactant, penetrant, silicone surfactant, spreader, sticker, surfactant, vegetable oil, water conditioning agent and wetting agent.

****Ingredient Statement** - The three primary principal functioning agents (PFA) must be listed on the label in descending order. The ingredients must be listed on the label consistent with [WSDA guidance on spray adjuvant ingredients. A partial list of chemical names and CAS numbers](#) is available from WSDA.

The label must include an accurate percentage statement. The total percentage of PFA and Constituents Ineffective as Spray Adjuvants (CIASA) must equal 100%. The phrase "Total = 100%" must be stated below the PFA's and 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 (e.g., *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. (e.g., "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/ 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. Some hazard categories do not require signal words. Hazard communication requirements 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 requirements 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.

******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 acute 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](#)) and aquatic invertebrate acute toxicity testing ([OPPTS 850.1010](#)). WSDA criteria for aquatic use are available on the WSDA web site at [WSDA Aquatic Criteria](#). Test guidelines are available on the EPA web site at epa.gov/test-guidelines-pesticides-and-toxic-substances/final-test-guidelines-pesticides-and-toxic

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. A partial list of chemical names and CAS numbers is available from WSDA. Avoid using the chemical class in lieu of the chemical name. If the adjuvant product is a 100% repack, or if it contains a proprietary component, please ensure that your supplier has submitted a CSF. If the supplier has submitted the same CSF to WSDA within the last twelve months, you may submit a letter of authorization from the supplier in lieu of the CSF. If the CSF has more than one page, include the page number at the top of each page, combine and submit as a single document. Alternate formulas are only acceptable if no label revisions (e.g., ingredient statement, precautionary statement) are required for the alternate formula. Alternate formulas must be submitted to WSDA prior to distribution. WSDA now has a secure [Pesticide Registration CSF Portal](#) in which registrants can upload their Confidential Statement of Formula (CSF) to support a pesticide registration application. **Do not submit a CSF by email, as this is not a secure method of submitting CSFs.**

- **Food or Feed Crops** - All ingredients (except water) must be exempt from the requirements of a tolerance in 40 CFR 180 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.
- **Ingredients not listed in 40 CFR 180** - WSDA will consider registration of adjuvants with ingredients that are not exempt from the requirements of a tolerance if the products are labeled for non-food and non-feed uses only (e.g., forestry, non-cropland, ornamental, right-of-way, turf).

WSDA CONTACT INFORMATION

Phone: (360) 902-2025

Email: pestreg@agr.wa.gov

Web: <https://agr.wa.gov/PestFert/Pesticides/SprayAdjuvants.aspx>

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.

REQUIRED LABEL ELEMENTS

- ① Product Brand Name ② Adjuvant Function Statement ③ Ingredients Statement ④ Keep Out of Reach of Children Statement
⑤ Precautionary Statements ⑥ Directions For Use ⑦ Aquatic Use Statement ⑧ Storage and Disposal
⑨ Product Weight ⑩ Name and Address of Registrant

① XYZ Premium Spray Adjuvant

② Nonionic Surfactant and Antifoaming Agent

③ PRINCIPAL FUNCTIONING AGENTS:

Alcohols, C10-16, ethoxylated; Nonylphenol ethoxylate; Dimethylpolysiloxane.....80.5%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS:19.5%
TOTAL:100.0%

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

④ KEEP OUT OF REACH OF CHILDREN

⑤ WARNING



WA Reg. No. 00000-00000 (optional)

⑤ PRECAUTIONARY STATEMENTS

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.

⑥ DIRECTIONS FOR USE

XYZ Premium Spray Adjuvant is a general purpose nonionic surfactant and antifoaming agent, which can be used with most insecticides, fungicides, herbicides, acaricides, defoliant, and desiccants 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.

Table with 2 columns: Applications, This Product per 100 Gallons of Mix. Rows include Insecticides (3 to 8 fluid ounces), Fungicides (3 to 8 fluid ounces), and Herbicides (1 to 2 pints).

⑦ NOT FOR AQUATIC USE.

⑧ 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.acrcycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

⑨ Net Contents: 2.5 Gals.

⑩ Manufactured By: XYZ Chemical Company•12345 Adjuvant Ave• Anytown, WA 98900•(800) 000-0000

Label ID # 56789-0215 (optional)



WSDA Use Only:

SPRAY ADJUVANT CONFIDENTIAL STATEMENT OF FORMULA (CSF)

Check Type(s): Basic Formulation Alternate Formulation¹ _____ Supplier's CSF for 100% Repack Supplier's CSF for Component(s)

| | |
|--|---|
| Company Name on Application: XYZ Chemical Company | Product Name on Application WA Registration Number (if applicable): XYZ Premium Spray Adjuvant |
| Other Company Name (for 100% <u>repacks</u> or suppliers of <u>components</u>): | Product Name of Suppliers Product WA Registration Number (if applicable): |

| Principal Functioning Agents (PFA) | | Function Statement on Label: Nonionic surfactant and Antifoaming agent | | |
|------------------------------------|-----------------------------------|--|--|------------------|
| CAS Number | Common Chemical Name ² | Name of Supplier | Labeled Function Claim(s) - ASTM Term(s) | Percentage |
| 68002-97-1 | Alcohols, C10-16, ethoxlated | ABC Chemical Company | Nonionic surfactant | 65.0000 % |
| 9016-45-9 | Nonylphenol ethoxylate | ABC Chemical Company | Nonionic surfactant | 15.0000 % |
| 63148-62-9 | Dimethylpolysiloxane | DEF Corporation | Antifoaming agent | 0.5000 % |
| | | | | % |
| | | | | % |
| | | | | % |
| Total Percentage of PFA: | | | | 80.5000 % |

¹ Alternative formulation (e.g. different CAS No. for PFA within same chemical class requires separate CSF) ² If a tradename is only known for a component, then a complete CSF is required from supplier.

Constituents Ineffective as Spray Adjuvants (CIASA)

| CAS Number | Common Chemical Name ² | Name of Supplier | Purpose in Formulation | Percentage |
|---|-----------------------------------|--------------------|------------------------|-------------------|
| 56-51-7 | 2-Bromo-2nitro-1, 3-propanediol | GHI Inc | Preservative | 0.0400 % |
| 7732-18-5 | Water | Local water supply | Diluent | 19.4600 % |
| | | | | % |
| | | | | % |
| | | | | % |
| | | | | % |
| Total Percentage of CIASA: | | | | 19.5000 % |
| Total Percentage of All Ingredients (Must Equal 100%): | | | | 100.0000 % |

| | | |
|---|-------------------------------------|---------------------|
| Name of Official and Company Name Certifying Formula (print): John Doe Smith, President XYZ Chemical Company | Signature: <i>John Doe Smith</i> | Date: 02/05/2019 |
|---|-------------------------------------|---------------------|