



We create chemistry

SPECIMEN

Sentris™

Buffering Technology

Principal Functional Agent:

Potassium Carbonate 47.0%

Inert Ingredients: 53.0%

Total: 100.0%

Contains 5.8 pounds per gallon or 700 grams per liter potassium carbonate.



KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Hazard Statements: May be corrosive to metals. Causes serious eye irritation. Causes skin irritation. Harmful if swallowed. May cause respiratory irritation. Harmful to aquatic life.

See full label for complete **Precautionary Statements, First Aid, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

Precautionary Statements

Prevention: Wear protective gloves, protective clothing and eye protection or face protection. Use only outdoors or in well ventilated areas. **DO NOT** breath dust, gas, mist

or vapors. Avoid release to the environment. **DO NOT** eat, drink or smoke when using this product. Wash contaminated body parts thoroughly after handling. Wash contaminated clothing before reuse. Keep only in original packaging. Absorb spillage to prevent material damage.

FIRST AID

If in eyes	• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Immediate medical attention required.
If on skin or clothing	• Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If ingested	• Immediately rinse mouth and then drink 200 to 300 ml of water, seek medical attention. • DO NOT induce vomiting unless told to by a poison control center or doctor. • Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.
If inhaled	• Keep patient calm, remove to fresh air, seek medical attention.

Environmental Hazards

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. Apply this product only as directed on the label.

Directions For Use

General Information

Sentris™ buffering technology is an alkaline buffering adjuvant which can be used to raise spray mixture pH, stabilize cation balance and improve equipment clean out.

Sentris Use Rate: Use 4 to 16 fl ozs/A depending on source water and mix components.

Many pesticides are most effective at a near neutral pH range of 5 to 8 and **Sentris** can be used to raise the spray mixture pH when an acidic water source or mixture components lower the pH. Neutralizing the spray mixture pH can also improve pesticide stability and avoid precipitation problems. Consult specific product use directions or supplier for optimal pH information.

Sentris does not contain a surfactant or drift reduction agent (DRA). The addition of a surfactant, DRA or other adjuvant will be required if specified by a tank mix product label.

Use with Dicamba Containing Products

Use 4 to 16 fl ozs/A of **Sentris** when using dicamba containing products alone or mixed with other approved herbicides/pesticides, nutritional products or adjuvants. Consult the dicamba product use directions and respective product tank instructions for additional requirements. Certain mixtures may require the higher **Sentris** use rates.

Sentris will neutralize the acidifying effect of certain tank mix components and/or water further minimizing the potential for dicamba secondary loss. **Sentris** will not affect primary loss (e.g. spray drift) and it is critical to follow other label requirements including proper nozzle selection, weather conditions and an additional drift reducing adjuvant (DRA) if needed.

The use of **Sentris** in the spray solution will also improve the ease of dicamba clean out from spray equipment.

Sentris is not a clean out agent and will not improve clean out if used after application; it must be included in the spray solution. After application, follow the instructions on the dicamba containing product label for clean out directions.

Crop Tolerance

Crops are tolerant to **Sentris** when applied according to label directions under normal environmental conditions. Crop injury may occur under stressful growing conditions (e.g. low soil fertility, seedling disease, extreme hot or cold weather, excessive moisture, high soil pH, high soil salt concentration, drought). Perform a compatibility test and limited application if using this product in a new tank mix combination for the first time.

Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

1. For 15 gallons per acre spray volume, use 20 fl ozs (600 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
2. Add components in the sequence indicated in the following mixing order instructions using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
3. Cap the jar and invert 10 cycles between component additions.
4. When the components have all been added to the jar, let the solution stand for 15 minutes.
5. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, **DO NOT** mix the ingredients in the same tank.

Mixing Order

Start with a clean spray tank.

1. Water - Fill the spray tank with at least 1/2 of the final required volume and start agitation. Use at least 1/4 of the final volume if an inductor will be used for any product additions.
2. Agitation - Maintain continuous and constant agitation throughout mixing.
3. Inductor - If an inductor is used, rinse it thoroughly after each component is added.
4. Buffer/pH modifier, water conditioner, compatibility or anti-foam products - Add **Sentris** and other products if needed.
5. Dry dispersible products (such as dispersible dry flowables, granules, powders (WG, WDG, DF, WP, W))
6. Liquid dispersible products (such as suspension concentrates (SC, F, FL), suspo-emulsions (SE), micro-encapsulated or capsule suspensions (CS, ME)).
7. Dry water-soluble products (such as SP, SG)
8. Liquid water-soluble products (such as SL, S)
9. Emulsifiable products (including EC, EW)
10. Surfactant and oil concentrate adjuvants (such as NIS, COC, HSOC and MSO adjuvants)
11. Add remaining quantity of water and continue agitation.

Maintain continuous and constant agitation throughout application until spraying is completed. If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed. Continue agitation while spraying.

Storage and Disposal

This product does not require heated storage. Keep container sealed when not in use. Store in a well-ventilated place. Store locked up. Store in a corrosion-resistant container with a resistant inner liner. Store in original container only. Triple rinse or equivalent when mixing and loading. Recycling of contaminated containers is the best option for container disposal. The Agricultural Container Recycling Counsel (ACRC) operates a national recycling program. To contact your state and local ACRC recycler visit the ACRC website at www.acrecycle.org. Decontaminated containers and material must be disposed of in a manner consistent with local, state and federal laws and regulations.

Condition of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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Guaranteed by:
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