

INCH-POUND

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SUPERSEDING

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COMMERCIAL ITEM DESCRIPTION

HERBICIDE, 2,4-DICHLOROPHENOXYACETIC ACID (SALTS AND ESTERS)

The General Service Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description covers the systemic herbicide 2,4-dichlorophenoxyacetic acid (2,4-D).
2. CLASSIFICATION. The herbicide shall be of the following types; and classes:

Type II	- Liquid salt formulation
Type III	- Liquid ester formulation
Class 1	- Volatile alkyl esters of 2,4-D
Class 2	- Low volatile esters of 2,4-D

3. SALIENT CHARACTERISTICS.

3.1 Liquid salts. The liquid salts of 2,4-D shall have the following characteristics.

3.1.1 Acid equivalent. The product shall contain a minimum of two pounds of 2,4-D equivalent per gallon of formulation at 68°F (20°C).

3.1.1.1 Acid equivalent determination. The quantity of 2,4-D contained in the salt formulation shall be determined by AOAC method for 2,4-dichlorophenoxyacetic acid.

3.1.2 Solubility. The product shall be soluble in hard or soft water and shall exhibit no persistent foam.

3.1.3 Other ingredients. The product shall make a solution that contains no ingredients which will inhibit the application of the material at the concentrations normally used for weed control. The product shall remain free of solid material when held at a temperature of 25°F (-3.8°C) for a period of at least 5 consecutive 24 hour days.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to DLA Aviation, VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616 or e-mailed to STDZNMGT@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at <https://assist.dla.mil>.

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3.2 Liquid esters. The liquid esters of 2,4-D shall have the following characteristics.

3.2.1 Acid equivalent. The product shall contain a minimum of two pounds of 2,4-D equivalent per gallon of formulation at 68°F (20°C).

3.2.1.1 Acid equivalent determination. The quantity of 2,4-D contained in the ester formulation shall be determined by AOAC method for 2,4-dichlorophenoxyacetic acid.

3.2.2 Miscibility and emulsifiability. The formulation shall be a clear solution readily miscible with oil and emulsifiable with water. It shall contain the necessary solvents and carrying and emulsifying agents, such that the emulsion formed requires a minimum of agitation during the mixing and application period.

3.2.3 Other ingredients. The oil carrier in the formulation shall not detract from the herbicidal activity of the active ingredient and offer maximum penetration and spread of the spray solution. The product shall remain free of solid material when held at a temperature of 25°F (-3.8°C) for a period of at least 5 consecutive 24 hour days.

4. REGULATORY REQUIREMENTS.

4.1 Registration and labeling. The herbicide shall be registered and labeled in compliance with the Regulations for the Enforcement of the Federal Insecticide Fungicide and Rodenticide Act (40 CFR 162-180).

4.2 Recovered material. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS

5.1 Acid content. The quantities of 2,4-dichlorophenoxyacetic (2,4-D) acid contained in the salt and ester formulations shall be determined by the latest AOAC methods.

5.2 Product conformance. The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The government reserves the right to require the proof of such conformance.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

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7. NOTES.

7.1 Intended use. The intended use of the types and classes are:

- Type II - Herbicide is effective on easy-to-kill or moderately easy-to-kill weeds
- Type III - Class 1. Herbicide is effective on deep rooted perennial weeds, old semi-resistant weeds and woody species.
Class 2. Herbicide is used the same as Class 1 however Class 2 should be used in areas where sensitive crops such as cotton are grown.

7.2 Source of documents.

7.2.1 AOAC methods are available from AOAC International, 481 N. Fredrick Ave., Suite 500, Gaithersburg, MD 20877-2450 or online at www.aoac.org.

7.2.2 Copies of the FAR may be obtained from the U.S. Government Printing Office, 732 North Capital Street NW, Washington, DC 20401-0001 or online at www.gpo.gov.

7.3 Ordering data. The contract or order should specify the following:

- a. CID document number and revision
- b. Product type (and class if necessary)
- c. Packaging requirements

7.4 National Stock Numbers (NSNs). The following NSNs correspond to this CID: 6840-00-664-7060 type II and 6840-00-577-4194 type III, class 2. These may not be the only NSNs associated with this document.

7.5 Key Words.

- 2,4-D
- Weed control
- Weed killer

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Custodians:

DLA – GS
OT – PM

CIVIL AGENCY
COORDINATING ACTIVITY

GSA – FAS

Preparing Activity:

DLA – GS3

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