

A-A-197
November 6, 1980

COMMERCIAL ITEM DESCRIPTION

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

The General Service Administration has authorized the use of this commercial item description in lieu of Federal Specification O-H-200.

This commercial item description covers the systemic herbicide 2,4-dichlorophenoxyacetic acid.

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-dichlorophenoxyacetic acid
Class 2	- Low Volatile esters of 2,4-dichlorophenoxyacetic acid

Salient characteristics:

Liquid salts. The liquid salts of 2,4-dichlorophenoxyacetic acid shall contain a minimum of two pounds of 2,4-D acid equivalent per gallon of formulation at 68°F (20°C). The product shall be soluble in hard or soft water and shall exhibit no persistent foam. 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 5 days.

Liquid esters. The liquid esters of 2,4-dichlorophenoxyacetic acid shall contain a minimum of two pounds of 2,4-D acid equivalent per gallon of formulation at 68°F (20°C). 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. 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 5 days.

The quantities of 2,4-dichlorophenoxyacetic acid contained in the salt and ester formulations shall be determined by AOAC Methods 6.275 – 6.279.

The issue of the AOAC method in effect on the date of solicitation shall be used to determine compliance with the stated requirements.

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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).

Certification. The contractor shall certify that the product offered meets the salient characteristics of this description that the product conforms to the producer's own drawings, specifications, standards and quality assurance practices and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Packaging, packing and marking. The packaging and packing shall be in accordance with normal practice and shall assure acceptance by common carrier and provide product protection against loss and damage during multiple shipments, handling, and storage. The shipping containers shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Marking shall be as specified in the contract or order.

Note: In order to aid in the selection of a type, the recommended use of each type is provided below.

- 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, should be used in areas where sensitive crops are grown such as cotton.

AOAC methods are available from the Association of Official Analytical Chemists, PO Box 540, Benjamin Franklin Station, Washington, DC 20044.

Code of Federal Regulations (CFR), may be obtained from the Superintendent of Documents, US. Government Printing Office, Washington, DC 20402.