

## COMMERCIAL ITEM DESCRIPTION

### SUGAR SUBSTITUTES

**The U.S. Department of Agriculture has authorized the use of this Commercial Item Description.**

This Commercial Item Description (CID) covers sugar substitutes, packed in commercially acceptable containers, suitable for use by the Federal Government.

#### **Salient characteristics.**

The sugar substitutes shall conform to the following types as specified in the solicitation, contract, or purchase order.

#### **Types.**

- Type I - Saccharin (o-Benzosulfimide; Gluside; 1,2-Benzisothiazolin-3-one 1,1-Dioxide)
- Type II - Acesulfame-K (Potassium salt of 6 methyl-1-2-3-oxathiazin-4 (3H)-one 2,2-dioxide)
- Type III - Aspartame (N-L-a-Aspartyl-L-phenylalanine 1-Methyl Ester; APM)

**Type I - Saccharin.** The active sweetening ingredient shall be Food Chemicals Codex (FCC) grade. The finished product shall contain 3.8 ( $\pm$  0.3) percent of active ingredient.

**Type II - Acesulfame-K.** The active sweetening ingredient shall be FCC grade. The finished product shall contain 5.0 ( $\pm$  0.1) percent of active ingredient.

**Type III - Aspartame.** The active sweetening ingredient shall be FCC grade. The finished product shall contain 3.5 ( $\pm$  0.1) percent of active ingredient.

All types of sugar substitutes shall contain food grade bulking and anticaking agents. Each type package shall contain and be labeled such that the contents are equal to 2 teaspoonfuls of sugar in sweetness.

**FSC 8940**

**DISTRIBUTION STATEMENT A.** Approved for public release; distribution is unlimited.

**A-A-20178**

**Contractor's certification.**

By submitting an offer, the contractor certifies that the product offered meets the specified salient characteristics and requirements of this CID; conforms to the producer's own specifications and standards, including product characteristics, manufacturing procedures, quality control procedures, and storage and handling practices; has a national or regional distribution from storage facilities located within the United States, its territories, or possessions; and is sold on the commercial market. The Government reserves the right to determine proof of such conformance prior to the first delivery from point of origin and any time thereafter, up to and including delivery at final destination, as may be necessary to determine conformance with the provisions of the contract.

**Regulatory requirements.**

The delivered product shall comply with all applicable Federal and State mandatory requirements and regulations relating to the preparation, packaging, labeling, storage, distribution, and sales of the product in the commercial marketplace. All deliveries shall conform in every respect to the provisions of the Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder.

**Quality assurance.**

When the solicitation, contract, or purchase order requires that product quality or acceptability or both be determined, the Processed Products Branch (PPB), Fruit and Vegetable Division, Agricultural Marketing Service, U.S. Department of Agriculture, shall be the certifying activity and shall make the determination in accordance with applicable PPB procedures. The product shall be examined or analyzed or both in accordance with applicable provisions in the CID, and when applicable, the United States Standards for Condition of Food Containers.

**Preservation, packaging, packing, labeling, and marking.**

The sugar substitutes shall be preserved, packaged, packed, labeled, and case marked in accordance with good commercial practice. Commercial labeling and packaging, as may be augmented by the solicitation, contract, or purchase order, shall be acceptable. Shipping containers shall comply with the National Motor Freight Classification or Uniform Freight Classification, as applicable.

**For Department of Defense procurements (Only).**

The following requirements are applicable when specified by the contracting officer:

**A. Commercial packaging.** Sugar substitute shall be packaged in hermetically sealed polyethylene lined paper packets containing 0.75 to 1.0 gram of product.

**B. Intermediate packaging.** One thousand packets, of one type only, shall be packed in a paperboard carton.

**C. Commercial packing.** Three paperboard cartons shall be packed in a fiberboard box complying with the National Motor Freight Classification or Uniform Freight Classification, as applicable.

**D. Export packaging.** Export packaging shall be in accordance with Commercial and Intermediate packaging.

**E. Export packing.** Three paperboard cartons shall be packed in a fiberboard box, closed and reinforced in accordance with Style RSC, Grade V3c, V3s, or V4s of PPP-B-636. Paperboard cartons shall be enclosed in a waterproof case liner, fabricated and sealed in accordance with MIL-L-10547 for subsistence. Exposed metal fasteners on inside of box shall be covered to prevent damage to liner. Reinforcement shall be limited to nonmetallic strapping or pressure-sensitive adhesive, filament-reinforced tape.

**F. Unit loads (commercial and export).** Shipping containers shall be arranged in unit loads in accordance with MIL-L-35078. When unit loads are strapped, strapping shall be limited to nonmetallic strapping, except for Type II, Class F loads.

**G. Labeling (commercial and export).** Labeling of packages shall be in accordance with commercial practice and shall include an appropriate warning statement. Each packet shall be labeled with the following: EQUIVALENT IN SWEETNESS TO TWO TEASPOONS OF SUGAR.

**H. Marking (commercial and export).** Marking of shipping containers and unit loads shall be in accordance with MIL-STD-129.

**Notes.**

Purchasers should specify product types.

**Sources of documents.**

**Sources of information for nongovernmental documents are as follows:**

**A-A-20178**

Copies of the Food Chemicals Codex may be obtained from:

**National Academy Press  
2101 Constitution Avenue, NW  
Washington, DC 20418**

Copies of the National Motor Freight Classification may be obtained from:

**National Motor Freight Traffic Association, Inc., Agent  
National Motor Freight Classification  
American Trucking Associations, Inc., Traffic Department  
2200 Mill Road  
Alexandria, VA 22314**

Copies of the Uniform Freight Classification may be obtained from:

**Uniform Classification Committee, Agent  
Uniform Freight Classification  
Uniform Classification Committee, Suite 1120  
222 South Riverside Plaza  
Chicago, IL 60606**

**Sources of information for governmental documents are as follows:**

Applicable provisions of the Federal Food, Drug, and Cosmetic Act are contained in 21 CFR Parts 1-199. This three-volume set may be purchased from:

**Superintendent of Documents  
U.S. Government Printing Office  
Washington, DC 20402-0001**

Credit Card (Master Charge or Visa) purchases may be made by calling the Superintendent of Documents on (202) 783-3238.

Copies of the United States Standards for Condition of Food Containers are available from:

**Chairperson  
Condition of Container Committee  
Agricultural Marketing Service  
U.S. Department of Agriculture  
Room 2506, South Building  
P.O. Box 96456  
Washington, DC 20090-6456**

Civil agencies and other interested parties may obtain copies of this CID from:

**General Services Administration  
Specifications Unit (3FB-WS)  
Room 6654  
7th and D Streets, SW  
Washington, DC 20407**

Military activities should submit requests for copies of this CID to:

**Standardization Documents Order Desk  
Building 4, Section D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094**

**Comments and suggestions.**

Comments and suggestions regarding this CID should be submitted to:

**U.S. Army Natick Research,  
Development and Engineering Center  
ATTN: STRNC-WTP  
Natick, MA 01760-5018**

**A-A-20178**

**MILITARY INTERESTS: CIVIL AGENCY COORDINATING ACTIVITIES:**

**Custodians**

Army - GL  
Navy - SA  
Air Force - 50

DOJ - BOP  
HHS - NIH  
USDA - FV  
VA - OSS

**Review Activities**

Army - MD, TS  
Navy - MC  
DP - SS

**PREPARING ACTIVITY:**

Army - GL  
Project No. 8940-0686