

DATA ITEM DESCRIPTIONForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. TITLE

Explosive Hazard Classification Data

2. IDENTIFICATION NUMBER

DI-SAFT-81299A

3. DESCRIPTION/PURPOSE

3.1 The purpose of this DID is to obtain the necessary information for assigning hazard classifications, such as hazard class/division, storage compatibility group, and Department of Transportation (DOT) marking. These classifications establish the procedures for the storage and transportation of the item for all user elements.

**4. APPROVAL DATE
(YYMMDD)**

950731

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

F/AFMC-SE

6a. DTIC APPLICABLE**6b. GIDEP APPLICABLE****7. APPLICATION/INTERRELATIONSHIP**

7.1 This Data Item Description contains the content and format preparation instructions for that data product generated by the specific and discrete task requirement as delineated in the contract.

7.2 This DID is applicable to the acquisition of any new explosive item or component which has not previously received an approved hazard classification.

7.3 Data Items which relate to this DID are DI-SAFT-80101B, System Safety Hazard Analysis Report;

(Continued on page 2)

8. APPROVAL LIMITATION**9a. APPLICABLE FORMS****9b. AMSC NUMBER**

F7144

10. PREPARATION INSTRUCTIONS

10.1 Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2 Type of classification: Include a statement of the type of classification being sought, either interim or final.

10.3 Hazard classification data: The data necessary for assignment of hazard classification will be supplied in the format as shown below, using additional pages if sufficient space is not available. The "used on" or "used with" hardware item(s) will be identified, including their ancillary or delivery equipment. For interim hazard classifications, some of this data may not be available, but all should be available for final hazard classifications.

10.3.1 Nomenclature - (Ref. FED-STD-5).

10.3.2 Part number(s): Prime contractor and vendor(s).

10.3.3 National stock number.

10.3.4 System used on. System in which the subject item is associated.

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11. DISTRIBUTION STATEMENT

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

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Block 7, Application/Interrelationship (Continued)

DI-SAFT-80105B, System Safety Program Progress Report; DI-SAFT-80106B, Health Hazard Assessment Report.

7.4 This DID supersedes DI-SAFT-81299.

Block 10, Preparation Instructions (Continued)

10.3.5 Next assembly. Next higher assembly subject item is a part of.

10.3.6 Size. Size of unpacked item.

10.3.7 Weight. Weight of unpacked item.

10.3.8 Explosive or chemical formulation. Include type, composition, and total weight of each explosive or chemical subassembly in the item (e.g., detonator, booster, squib, rocket motor, etc.).

10.3.9 Weights of explosive or chemical material.

a. Net explosive weight. Total weight of all materials that mass detonate (i.e., Class/ Division 1.1).

b. Net propellant weight. Total weight of all propellant and pyrotechnic material (i.e., Class/ Division 1.3).

c. Explosive weight for Quantity-Distance (QD) determinations. Net explosive weight, net propellant weight, or some combination of the two, according to results of testing and/or current policy for Q-D computation. Only this weight may be used directly in Q-D computations. Include equation used to calculate TNT equivalent weight and the reference where the equation was obtained.

10.3.10 Items containing a liquid or gas:

a. Name or type of liquid or gas.

b. Physical state.

c. If pressurized, what pressure.

d. Vapor pressure.

e. Flash point.

10.3.11 Narrative. A narrative description of the item.

10.3.12 Functioning. Step-by-step, on how the item functions and its relation to higher assemblies.

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Block 10, Preparation Instructions (Continued)

10.3.13 Illustration. Illustration of the configuration of the explosive item, and the relationship of the item's parts as assembled. An illustration of the relationship of the explosive item to other items in the next higher assembly.

10.3.14 Packaging data:

- a. How item is packed (narrative description).
 - b. Number of items per inner package.
 - c. Number of inner packages per outer package.
 - d. DOT Specification Number for packing containers (49 Code of Federal Regulations) or an indication that the package meets Performance Oriented Packaging (POP) requirements of 49 CFR.
 - e. Type and size.
 - f. Gross weight of packaged item(s).
 - g. Specific DOT labels, if required.
 - h. If a DOT special permit or exemption applies, give number and to what it applies.
- ✓ Illustration of packing and shipping containers.

10.3.15 Limitations. Special storage or shipping limitations.

10.3.16 Test data. Hazard classification test data.

10.3.17 Responsible individual. Typed name, signature, and company of individual responsible for accuracy of above data.

10.4 Changes in items: When hazard classification has been established for a basic item, a change in the Part Number (P/N), or change in the prefix or suffix dash number of the item will not require an additional data package, unless the change affects major configuration or explosive type and quantity. Minor changes will be explained in a letter narrative indicating why a change in classification is not warranted.