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DATA ITEM DESCRIPTION

Title: Explosive Hazard Classification Data

Number: DI-SAFT-81299B
AMSC Number: F-7144
DTIC Applicable: No
Preparing Activity: F/40
Applicable Forms: None

Approval Date: 20030411
Limitations: None
GIDEP Applicable: No

Use/Relationships: 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.

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

This Data Item Description contains the content and format preparation instructions for data products generated by Mil-Std-882 and any specific and/or discrete task requirements delineated in the contract. Data Items which relate to this DID are DI-SAFT-80101B, System Safety Hazard Analysis Report; DI-SAFT-80105B, System Safety Program Progress Report; DI-SAFT-80106B, Health Hazard Assessment Report

This DID revises DI-SAFT-81299A, 31 July 1995.

Requirements:

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 cited in the current issue of the DODISS at the time of the solicitation; or, for non DODISS-listed documents, as stated herein.

2. Format. The data shall be in contractor format.

3. Content.

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

3.2 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.

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

3.2.1 Part number(s) and CAGE number: Prime contractor and vendor(s).

3.2.3 National stock number.

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

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

3.2.6 Size. Size of unpacked item.

3.2.7 Weight. Weight of unpacked item.

3.2.8 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.).

3.2.9 Weights of explosive or chemical material.

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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.

3.2.10 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.

3.2.11 Narrative. A narrative description of the item.

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

3.2.13 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.

3.2.14 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. UN Specification number, DOT Specification number (if packaging is exempt from UN specification packaging) (49 Code of Federal Regulations), or DoD Certification of Equivalency (COE) as applicable.

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.

i. Illustration of packing and shipping containers.

3.2.15 Limitations. Special storage or shipping limitations.

3.2.16 Test data. Hazard classification test data.

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

3..3 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.

4. End DI-SAFT-81299B