

**DATA ITEM DESCRIPTION**Form Approved  
OMB No. 0704-0188

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**1. TITLE****Fast Cook-off Test Data****2. IDENTIFICATION NUMBER****DI-SAFT-81130****3. DESCRIPTION / PURPOSE**

**3.1 This data comprises the test and inspection conditions of the fast cook-off test. It is used to determine the response of a test item engulfed in a liquid fuel fire.**

**4. APPROVAL DATE  
(YYMMDD)****910308****5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)****OS****6a. DTIC APPLICABLE****6b. GIDEP APPLICABLE****7. APPLICATION / INTERRELATIONSHIP**

**7.1 This Data Item Description (DID) contains the format and content preparation instructions for data generated by the fast cook-off test of MIL-STD-2105.**

**7.2 The following DID is used in conjunction with this DID and applies only if listed on the DD Form 1423 incorporated into the contract:**

**DI-SAFT-81126      Photographic Requirements**

**8. APPROVAL LIMITATION****9a. APPLICABLE FORMS****9b. AMSC NUMBER****N6030****10. PREPARATION INSTRUCTIONS**

**10.1 Format.** The fast cook-off test data shall be formatted in accordance with figures 1, 2 and 3.

**10.2 Content.** The fast cook-off test data shall include the information on figures 1, 2 and 3, and the following:

- a. Location and identification of the post-test remains depicted onto figure 2.
- b. Description, location (linear and angular distance from original test position), dimensions and weight of the post-test remains tabulated onto figure 3.

**11. DISTRIBUTION STATEMENT**

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

DI-SAFT-81130

**FAST COOK-OFF TEST  
DATA SHEET**

Test Item: \_\_\_\_\_

Lot # \_\_\_\_\_ S/N \_\_\_\_\_

Ambient Conditions: \_\_\_\_\_

Test Facility: \_\_\_\_\_ Date: \_\_\_\_\_

Test Item Description: \_\_\_\_\_

Test Site Dimensions: \_\_\_\_\_ Fuel: \_\_\_\_\_

Quantity of Fuel: \_\_\_\_\_ Weather: \_\_\_\_\_

**Test Results**

Narrative Description: (Include flame temperature vrs. time plots for all thermocouple readings) \_\_\_\_\_

Explosive reaction level: \_\_\_\_\_

**Post Test Description**

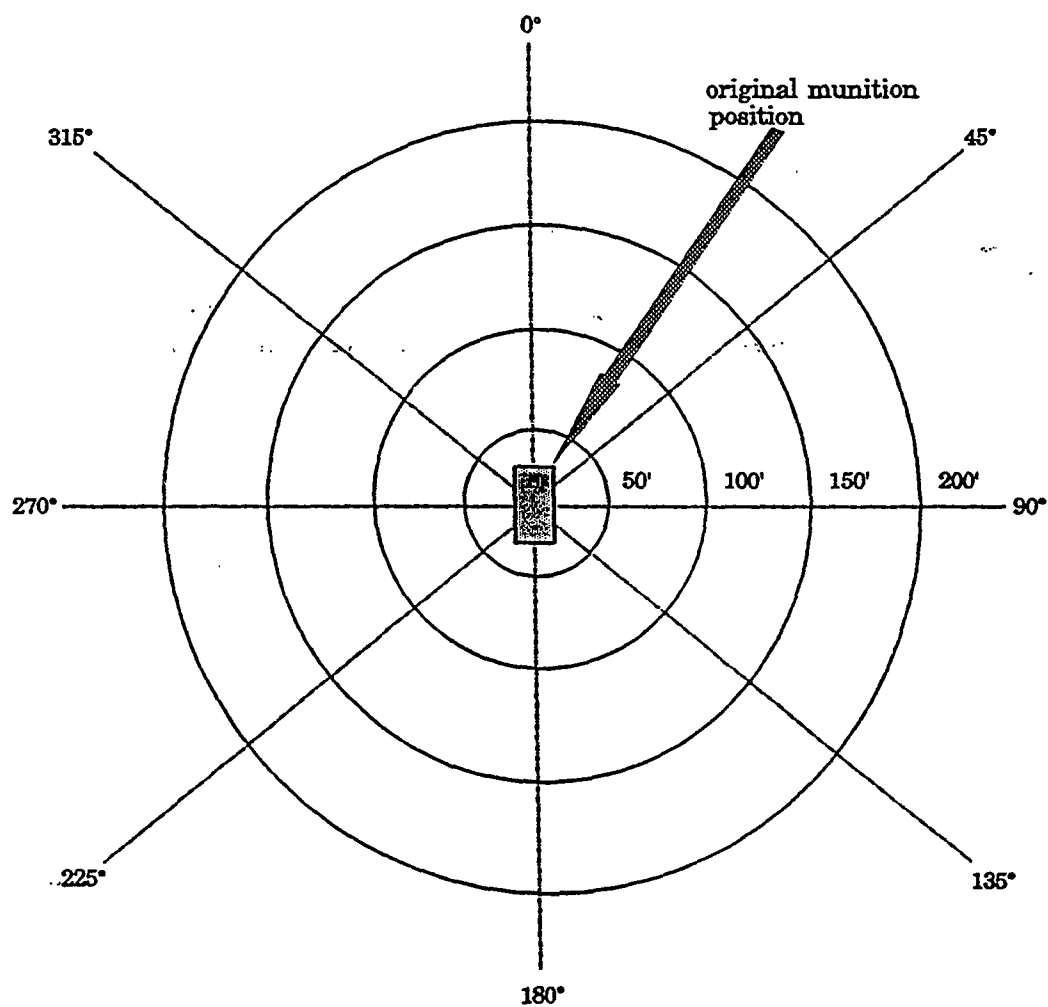
Average Flame Temperature: \_\_\_\_\_ Time to 1000°F: \_\_\_\_\_

Test Engineer: \_\_\_\_\_

Signature: \_\_\_\_\_

**FIGURE 1. Fast cook-off test data sheet.**

DI-SAFT-81130  
POST TEST REMAINS MAP



NOTE: Identify each fragment numerically (see figure 3).

FIGURE 2. Post test remains map.

