

# Preliminary - For Review Only

NAVSEA  
STANDARD ITEM

FY-06

ITEM NO: 009-97  
DATE: 29 JUL 2004  
CATEGORY: I

1. SCOPE:

1.1 Title: Shipbuilding and Ship Repair Operations National Emission Standard for Hazardous Air Pollutants (NESHAPS) for Surface Coating Information; provide

2. REFERENCES:

2.1 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart II

3. REQUIREMENTS:

3.1 Contractor facility availabilities:

3.1.1 Designate a **contractor** primary and secondary point of contact to receive reports applicable under this item.

3.1.2 Submit one legible copy, in hard copy or electronic media, of the names of the primary and secondary point of contact to the SUPERVISOR prior to the start of the availability.

3.2 Government facility availabilities:

3.2.1 Provide certification to the SUPERVISOR, using Attachment A, **for Volatile Organic Compounds (VOC)**, (for Option 1, 2, and 3 thinning requirement use only) or Attachment B, **for Volatile Organic Hazardous Air Pollutants (VOHAP)**, (for Option 4 thinning requirement) on the as-supplied coating by the manufacturer, or similar form as authorized by the SUPERVISOR.

3.2.1.1 For coatings to which thinners must not be added, the coating container must have a label stating "NO THINNING".

3.2.1.2 For coatings to which thinners are to be added, designate a single thinner to be used and determine the maximum allowable thinning ratio using Equation One of 2.1, apply a label to the coating container stating that "THINNER MAY BE ADDED" and also supply the maximum allowable thinning ratio.

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3.2.2 No later than the 15th of each month, or at the end of each job, whichever is earlier, submit one legible copy, in hard copy or electronic media, of a report listing the following to the SUPERVISOR:

3.2.2.1 Volume and type of each coating used the previous month.

3.2.2.2 Volume and type of thinner used the previous month.

3.2.2.3 Calculations used to determine the maximum allowable thinning ratio for each coating that was thinned the previous month.

3.2.3 All handling, thinning, and transfer of coatings, solvents, and related waste shall be done in a manner that minimizes spills.

3.2.3.1 All containers of coatings, solvents, and related waste shall be free of cracks, holes, defects, etc., and remain closed unless materials are being added or removed from the container.

3.2.3.2 All waste materials including rags, brushes, and rollers shall be kept in tightly closed containers that minimize evaporation.

#### 4. NOTES:

4.1 None.

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ATTACHMENT A (For Option 1,2,& 3 Thinning Requirement Use Only)  
VOC DATA SHEET

PROPERTIES OF THE COATING "AS SUPPLIED" BY THE MANUFACTURER

Coating Manufacturer: \_\_\_\_\_  
Coating Identification: \_\_\_\_\_  
Batch Identification: \_\_\_\_\_  
Supplied To: \_\_\_\_\_

Properties of the coating as supplied to the customer:

- A. Coating Density:  $(D_c)_2$  \_\_\_\_\_ g/L  
\_\_\_\_\_ ASTM D1475-90 \_\_\_\_\_ Other<sup>1</sup>
- B. Total Volatiles:  $(m_v)_s$  \_\_\_\_\_ Mass Percent  
\_\_\_\_\_ ASTM D2369-93 \_\_\_\_\_ Other<sup>1</sup>
- C. Water Content:
1.  $(m_v)_s$  \_\_\_\_\_ Mass Percent  
\_\_\_\_\_ ASTM D3792-91 \_\_\_\_\_ ASTM D4017-90 \_\_\_\_\_ Other<sup>1</sup>
2.  $(v_w)_s$  \_\_\_\_\_ Volume Percent  
\_\_\_\_\_ Calculated \_\_\_\_\_ Other<sup>1</sup>
- D. Organic Volatiles:  $(m_o)_s$  \_\_\_\_\_ Mass Percent
- E. Nonvolatiles:  $(v_n)_s$  \_\_\_\_\_ Volume Percent  
\_\_\_\_\_ Calculated \_\_\_\_\_ Other<sup>1</sup>
- F. VOC Content  $(VOC)_s$ :
1. \_\_\_\_\_ g/L solids (nonvolatiles)
2. \_\_\_\_\_ g/L coating (less water and exempt compounds)
- G. Thinner Density:  $D_{th}$  \_\_\_\_\_ g/L  
\_\_\_\_\_ ASTM \_\_\_\_\_ Other<sup>1</sup>

Remarks: (use reverse side)

H. Certification:

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

<sup>1</sup> Explain the other method used under "Remarks"

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ATTACHMENT B (For Option 4 Thinning Requirement Use Only)

### VOHAP DATA SHEET

PROPERTIES OF THE COATING "AS SUPPLIED" BY THE MANUFACTURER

Coating Manufacturer: \_\_\_\_\_

Coating Identification: \_\_\_\_\_

Batch Identification: \_\_\_\_\_

Supplied To: \_\_\_\_\_

Properties of the coating as supplied to the customer:

A. Coating Density:  $(D_c)_2$  \_\_\_\_\_ g/L

\_\_\_\_ ASTM D1475-90    \_\_\_\_ Other<sup>1</sup>

B. Total Volatiles:  $(m_v)_s$  \_\_\_\_\_ Mass Percent

\_\_\_\_ ASTM D2369-93    \_\_\_\_ Other<sup>1</sup>

C. Water Content:

1.  $(m_w)_s$  \_\_\_\_\_ Mass Percent

\_\_\_\_ ASTM D3792-91    \_\_\_\_ ASTM D4017-90    \_\_\_\_ Other<sup>1</sup>

2.  $(v_w)_s$  \_\_\_\_\_ Volume Percent

\_\_\_\_ Calculated    \_\_\_\_ Other<sup>1</sup>

D. HAP Volatiles:  $(m_{hap})_s$  \_\_\_\_\_ Mass Percent

E. Nonvolatiles:  $(v_n)_s$  \_\_\_\_\_ Volume Percent

\_\_\_\_ Calculated    \_\_\_\_ Other<sup>1</sup>

F. VOHAP Content  $(VOHAP)_s$ :

1. \_\_\_\_\_ g/L solids (nonvolatiles)

2. \_\_\_\_\_ g/L coating (less water and exempt compounds)

G. Thinner VOHAP Density:  $D_{th(vohap)}$  \_\_\_\_\_ g/L

\_\_\_\_ ASTM \_\_\_\_\_ Other<sup>1</sup>

Remarks: (use reverse side)

H. Certification:

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

<sup>1</sup> Explain the other method used under "Remarks"