

P-H-311
 AMENDMENT-2
 November 5, 1976
 SUPERSEDING
 Int Amendment-1
 May 23, 1975

FEDERAL SPECIFICATION

HAND CLEANER, WATERLESS (DUPLICATING III AND GREASE)

This amendment, which forms a part of Federal Specification P-H-311F, dated February 28, 1975, was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

PAGE 1

2.1 Federal Specifications Delete: "FF-0-191 - Dentifrice and Add "VV-G-632 - Grease, Industrial, General Purpose"

PAGE 2

3.1.1 Line 2. Delete "pure alkyl hydrocarbons" and substitute "not less than 99% saturated hydrocarbons"

PAGE 3

Table I. Delete "Viscosity (centipoise) at time of receipt by the Government" and substitute "Viscosity (centipoise, 25°C) at time of acceptance by the Government"

3.11. Delete and substitute:

"3.11 Removability by water rinse The hand cleaner shall be completely removed from the hands by rinsing with water, when tested as specified in 4.3.8

PAGE 4

Table III Under defects for net contents, delete "Unit container net contents more than 2 percent higher or lower than average unit container net contents for lot"

PAGE 5

Table IV: Add:

Property	Specification Reference		Results Reported Pass/Fail
	Requirement	Test Method	
Water rinse	3.11	4.3.8	X
Ammonia	3.2	4.3.10	X
Grit and abrasives	3.2	4.3.9	X

4.3.1. Lines 10-12. Delete next to last sentence and substitute "When several samples are to be tested at the same time, place each container at least 1 inch from all other containers."

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PAGE 5 (con.)

4.3.4.2. Delete and substitute

"4.3.4.2 Class 2 cream hand cleaner. Fill a 600 cc low form Griffin beaker with the cream hand cleaner. Firmly pack the hand cleaner into the beaker avoiding air bubbles. Using the heliopath stand and one of the combinations of Brookfield viscometer model, speed and spindle listed below, determine the viscosity at 25°C.

MODEL	SPEED	SPINDLE
RVT	2.5 rpm	T-Γ
RVT	1.0 rpm	T-D
RVF	2.0 rpm	T-D
RVF	2.0 rpm	T-Γ

'Take three determinations and report the individual values and the average.'

PAGE 6

4.3.5.2. Line 8: Delete "inhibited 1,1,1-trichloroethane" and substitute "Stoddard solvent or equivalent petroleum solvent".

4.3.5.2 Line 10. Delete "for 5 minutes" and substitute "completely".

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4.3.8 Delete and substitute:

"4.3.8 Removability by water rinse Apply approximately 1/2 gram of grease conforming to VV-G-632, grade 1, 2 or 3 to the palms of the hands. Rub in. Remove excess with a paper towel. Apply approximately 1 tablespoon of hand cleaner to the soiled hands and rub in thoroughly for 1 to 2 minutes to suspend the soil. The hand cleaner and suspended soil shall be easily and completely removed by rinsing with water."

Add in sequence new paragraphs 4.3.9 and 4.3.10.

"4.3.9 Grit and abrasives Place approximately 1 gram of hand cleaner between two new glass slides. Press the slides together with moderate pressure and rub back and forth 50 times. Rinse the slides with water and dry with a clean, soft cloth. The slides shall show no evidence of scratching caused by grit or abrasives.

4.3.10 Ammonia Place approximately 3 ml of a 10 percent solution of hand cleaner in distilled water in a small test tube. Add 1 N NaOH until basic to litmus paper. Hold a piece of moist red litmus paper at the mouth of the test tube and heat gently. Presence of free ammonia is indicated by the litmus paper turning blue."

PAGE 8

Table V. Delete and substitute.

TABLE V. Unit container requirements and number of unit containers per shipping container				
Class	Grade	Minimum container fill	Unit container requirement paragraph	No. of unit containers per shipping container
1	A	1 pint	5.1.1.2	24
1	A	1 gallon	5.1.1.2 or 5.1.1.5.1	6
2	B	5 fluid ounces (fl. oz.)	5.1.1.1	36
2	B	10 fl. oz.	5.1.1.1	24
2	A and B	1 pint	5.1.1.3, 5.1.1.5.2, or 5.1.1.6	24
2	B	22 fl. oz.	5.1.1.1	24
2	B	32 fl. oz.	5.1.1.4	12
2	A	1 gallon	5.1.1.5.4	4 or 6
2	B	1 gallon	5.1.1.3 or 5.1.1.5.2	4 or 6

5.1.1.5.4. Line 2: After "snugly" insert "to a depth of 1-1/4 inches". Line 3: Delete "and a depth of 1-1/4 inches".

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5.1 2 Line 1 Delete 'packed' and substitute 'packaged'.

PAGE 10

6.3 and 6.4 Delete in their entirety

Preparing activity

GSA-FSS