



Technical Process Bulletin

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AEROWASH

DESCRIPTION:

AEROWASH is a concentrated liquid, all purpose maintenance cleaner. It contains a unique blend of alkaline materials, solvents and surfactants which make this product highly effective against a wide variety of soils. AEROWASH is safe to use on all metals, glass, painted surfaces, and plastics.

HANDLING CHARACTERISTICS:

AEROWASH contains mildly alkaline materials. Contact with the skin or eyes may cause irritation. Personnel should wear eye protection, rubber gloves and apron when working with AEROWASH. Tanks used for AEROWASH should be provided with an adequate exhaust system to protect the workers against irritating airborne contaminants. Material Safety Data Sheets are available upon request from Henkel Surface Technologies.

EQUIPMENT RECOMMENDATIONS:

AEROWASH may be applied by spray, immersion or manually by brush or sponges. Natural or synthetic bristle brushes are suitable. Spray includes pressure washers, but no in-line spray washers such as in phosphate operations.

OPERATING INSTRUCTIONS:

AEROWASH may be diluted with water or Stoddard solvent depending on the cleaning performance and is used at ambient temperature.

1. For painted surfaces, use 10% by volume dilution in water.
2. A 5% by volume dilution in water makes an excellent cleaner for plastic or fabric cleaning.
3. A 30% by volume dilution in water will make an excellent liquid steam cleaning solution.
4. Use a 30% by volume solution of AEROWASH in kerosene or Stoddard solvent to remove exhaust stains from turbo-prop engine cooling and nacelles. For light degreasing of these areas, a 10% AEROWASH/water solution will be satisfactory. Both methods require a high pressure water rinse, preferably warm water.

SOLUTION CONTROL:

Normally, there is no requirement for solution control of AEROWASH. The following procedure is applicable for water solutions:

1. Pipette a 25 mL bath sample into a clean 250 mL Erlenmeyer flask.
2. Add 50 mL of water and 5 drops of Bromocresol Green indicator.
3. Titrate with 0.1 N Hydrochloric acid (HCl) until solution changes from blue to green.
4. CALCULATIONS:

Factor 1.2

% **Aerowash** = 1.2 x (mL of 0.1N HCl required)

Store in a cool, dry area away from acids. Do not allow product to freeze. Keep containers tightly closed when not in use.

WASTE DISPOSAL:

AEROWASH may require neutralization to a specified pH range depending on Federal, State and local waste treatment regulations. Waste disposal methods for AEROWASH are available upon request from Henkel Surface Technologies.

PRECAUTIONS:

WARNING: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OR IRRITATION TO SKIN AND EYES.

Contains Sodium metasilicate. Do not breathe dusts or mists. Avoid contact with skin and eyes.

FIRST AID:

Ingestion: Administer milk or milk of magnesia. If these are not available, give large quantities of water. Do not administer fluids to an unconscious person. DO NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: Remove victim to fresh air. If breathing has stopped, administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

Eye Contact: Immediately flush eyes in clear running water for at least 15 minutes lifting upper and lower lids periodically. GET MEDICAL ATTENTION IMMEDIATELY.

Skin Contact: Flush skin with plenty of water. Remove contaminated clothing. If irritation develops, GET MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

ATTENTION: When empty, containers will still be hazardous because of product residue. All labeled hazard precautions must be observed.

TESTING REAGENTS AND APPARATUS

(Order only those items which are not already on hand.)

<u>Code</u>	<u>Quantity</u>	<u>Item</u>
205700	1	Buret assembly, 25 mL automatic
205892	2*	Flask, Erlenmeyer, 250 mL
205590	1	Indicator dropping bottle
205945	2*	Pipette, 25 mL volumetric
205947	1	Pipette filler
205956	1	Pitcher, graduated, plastic
205980	1	Thermometer, floating
205002	1 qt	Indicator 2 (Bromocresol Green)
205261	1 gal	Titrating Solution 61 (0.1N HCl)

*Includes one more than actually required, to allow for possible breakage.

**Not Available.

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