Engineering Material Specification

Material Name	Specification Number
CLEANER - BRIGHT METAL	ESR-M5B194-B

1. SCOPE

The material described by this specification is a cleaner used to clean automotive bright metal trim and is not intended to limit the cleaner to any specific material or material system, but rather defines the performance of the entire system.

2. APPLICATION

This specification was released originally for material used for cleaning chromium, stainless steel and nickel-plated parts.

3. REQUIREMENTS

3.1 Shall be in a ready-to-use form, of homogeneous composition and free of foreign matter.

3.2 Shall be no objectionable odor either during or after application of the material.

3.3 Must effectively remove, with a minimum of time and effort, all deposits normally encountered on exterior and interior automotive bright metals.

3.4 Shall not etch, scratch, mar or have any detrimental effect on any metal surface to which it is applied.

3.5 Shall be easily removed by wiping, after drying, and shall have restored the original metal luster.

3.6 Adequate warning shall be provided on the label to prevent prolonged contact of this material on painted surfaces, if necessary.

3.7 Shall have no detrimental effect on automotive parts it may come in contact with, such as glass, fabric, rubber or other associated materials.

3.8 The abrasive used in this compound shall be powdered silica or a type of abrasive that is suitable for the purpose intended.

3.9 Must be capable of storage without any detrimental effect for an extended period of time. Supplier shall furnish all necessary information on types of material required for packaging and on the storage life of the material in each of the product packages supplied. For any particular size container or package for the product, the supplier shall furnish information on safe storage practice and recommendations as to maximum and minimum ambient temperatures and direct sun load conditions at which the product may be stored without adverse effects. If the package is considered unsafe for storage in an automotive vehicle, the package shall be labeled accordingly and the safe storage conditions specified.

Date	Para. No.	Revisions
1979 03 20		Revised & Retyped - CP022-815800-4 G. S. Balint 3/1/79
1971 03 29		Released CPZ22-947987-1 A. J. Stiller 3/29/71

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3.10 CHEMICAL & PHYSICAL PROPERTIES

Specific chemical and physical properties are not specified herein, but an Engineering Quality Control Supplement will be issued to cover each approved material. The selected engineering approved source shall furnish appropriate chemical and physical properties along with the production tolerance limits that apply to the material(s) upon which approval was given. The agreed upon values and limits will be issued to Quality Control by the affected product engineering office. These values will then be used by Quality Control for ongoing quality verifications. The Quality Control Supplement is an integral requirement of this specification. If more than one source supplies material to this specification, a Quality Control Supplement will be issued for each specific approved material.

3.11 LABELING

3.11.1 Provisions of this specification are applicable when material is used according to labeling directions. Any precautions involved in the use of the material must be clearly stated on the product label.

3.11.2 The label(s) for the material(s) must comply to the Federal Hazardous Substances Act and all other provisions under the Consumer Product Safety Commission and all other applicable federal, state and local regulations. Supplier shall furnish the affected product engineering office with the label(s).

3.11.3 Supplier shall furnish certification that the composition of his product has been examined and that the label recommended is in compliance with the Federal Hazardous Substances Act and all other provisions under the Consumer Product Safety Commission. Completed Material Health and Safety Data Sheets and Hazardous Substances Data Sheets must be submitted by the supplier to the Ford Motor Company toxicologist.

3.11.4 If applicable, supplier shall furnish a copy of the laboratory report wherein the product was evaluated under the procedures required by the Federal Hazardous Substances Act.

3.11.5 Supplier must furnish detailed application instructions and specific usage information for container labels. This portion of the label information must be approved by the affected product engineering office.

3.11.6 If the label submitted by the supplier contains any advertising claims, suitable corroborative testing data must also be furnished. Such claims and data are encouraged.

3.12 MARKING

Containers and cartons must be marked with a code indicating source and compounding date of the material. Supplier must furnish this code to the affected product engineering office. Container marking may be waived if approved in writing by the affected product engineering office.

3.13 SUPPLIER'S RESPONSIBILITY

Material supplied to this specification must be equivalent to that originally approved. Changes in formulation or processing shall not be made without prior approval as described in Supplier Procedure I-A.

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