

SURFACE VEHICLE RECOMMENDED PRACTICE

SAE J1437

CAN-
CELLED
DEC2001

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Superseding J1437 JUN1984

Lead-Free Replacement Paints

1. Scope

1.1 Background—Current, pending, and potential legal regulations such as the OSHA Final Standard on Occupational Exposure to Lead (Federal Register, Volume 43, No. 220: Tuesday, November 14, 1970) may require changes in the composition and color of paints commonly used in the automotive, truck, agricultural, industrial, and construction equipment industries.

1.2 Purpose—The purpose of this SAE Recommended Practice is to establish recommended lead-free paint color offsets to two specific color standards currently based on lead-containing pigments.^{1,2} The colors are identified throughout the industry as "School Bus Yellow" and "Highway Orange." It is anticipated that other industry, trade, and governmental agencies will assimilate the recommended colors in this SAE Recommended Practice into their existing color identification systems. It is further anticipated that this SAE Recommended Practice may be subject to change and may be discontinued when the transition to lead-free paints is completed.

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein.

2.1.1 OSHA PUBLICATIONS—OSHA Publication Office, Room S-4203, 200 Constitution Avenue NW, Washington, DC 20210.

OSHA Final Standard on Occupational Exposure to Lead (Federal Register, Volume 43, No. 220)

1. It is anticipated that lead containing pigments may be replaced by other organic and inorganic compounds.
2. All industry reports, including standards approved and practices recommended are advisory only. Their use by anyone engaged in industry or trade or their use by governmental agencies is entirely voluntary. There is no agreement to adhere to any SAE Standard or Recommended Practice and no commitment to conform to or be guided by any technical report in formulating and approving technical reports. The Technical Board, its Councils, and Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents, trademarks, and copyrights.

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3. **Method of Identification**—The colors in this SAE Recommended Practice were selected in MacBeth North Light, and this lighting is recommended as the standard viewing condition. This SAE Recommended Practice establishes two recommended colors based on color hue and value; paint gloss and other performance criteria are not considered.

The color identification system is based on four digits, to be used for expansion of a color pallet of non-lead colors, if and when deemed necessary. The first digit represents color hue, the second digit represents color value, and the third and fourth digits are a numerical sequence as indicated below:

TABLE 1—FIRST DIGIT-COLOR HUE

1 White/cream	6 Blue
2 Red	7 Purple/maroon/pink
3 Orange	8 Brown/beige/tan
4 Yellow	9 Gray/black
5 Green	

TABLE 2—SECOND DIGIT-COLOR VALUE

1 Light
thru
9 Dark

TABLE 3—THIRD AND FOURTH DIGITS

01
thru Numerical Listing of Colors
99

4. **Colors Identified**—The following identifies the SAE recommended non-lead offsets to:

TABLE 4—

Color	SAE Non-Lead Color Code	SAE Engineering Aid No.
School Bus Yellow	SAE-4671	EA-1437-1
Highway Orange	SAE-3732	EA-1437-2

5. **Administration of this Recommended Practice**—A color established in the SAE Recommended Practice may be referred to as "SAE Color 1234, per SAE Recommended Practice J."

Color samples can be obtained by contacting:

Engrg. Aids, SAE, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.

PREPARED BY THE SAE NONMETALLIC MATERIALS COMMITTEE