

MIL-STD- 712 (NORD)

11 June 1959

Supersedes NAVORD OS 8585
dated 25 March 1958**MILITARY STANDARD****FORMULA FOR YELLOW DYE MIXTURE II**

Ingredient	Yellow Dye	Guanidine Nitrate	Anthracene
Specification	See Note 1	MIL-G-21352	JAN-A-202 Class A
Percent by Weight	45.45 \pm 1.00	45.45 \pm 1.00	9.10 \pm 1.00

NOTE 1: The dye shall have a designation of "CI Solvent Yellow 3" in volume 2, 2nd edition of the "Colour Index". The dye shall conform to the following requirements:

- a. Apparent density: 0.500 \pm 0.150 gms/ml when tested using the procedure described in section 4.4.4 of specification MIL-D-3284.
- b. Particle size: 100% thru No. 20 sieve
80% min. thru No. 40 sieve
20% max. thru No. 200 sieve

Sieves shall be as specified in specification RR-S-366. National Aniline Oil yellow dye No. 2681 has been found to meet the above requirements and performs satisfactorily. Other dyes must be demonstrated to be satisfactory for the purpose intended.

The ingredients shall be blended until a uniform mixture is obtained.

The moisture content of the dye mixture shall not exceed 2.0 percent when tested as specified in section 4.4 of MIL-B-162.

CAUTION: For safety reasons, the usual precautions for handling and blending of pyrotechnic mixtures must be observed in handling the dry mixture. See section 6.7 of MIL-P-21355 for general safety precautions.

The Replacement Sample Powder Tank Mk 1 Mods, BuOrd Dwg. 423038 has been found satisfactory for handling and storage of the mixture.

Copies of the Colour Index may be obtained from the American Association of Textile Chemists and Colorists, Lowell Technological Institute, Lowell, Mass.

Copies of specifications, standards, drawings and publications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.

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