

MIL-A-81270(OS)  
Amendment 1

9 September 1968

MILITARY SPECIFICATION

ADHESIVE, SYNTHETIC RUBBER

This amendment forms a part of Military Specification MIL-A-81270(WP) dated 10 May 1965, and has been approved by the Naval Ordnance Systems Command, Department of the Navy.

By this amendment, the basic specification MIL-A-81270(WP) is designated as MIL-A-81270(OS)

Page 1, paragraph 1.1, delete and substitute:

"1.1 Scope - This specification covers one type of general purpose nitrile phenolic, synthetic rubber adhesive for general use under normal circumstances. It provides for an additional type of material suitable for use under AIR POLLUTION REGULATIONS (see 6.3)".

Page 1, Add new paragraph:

"1.2 Classification - The adhesive covered by this specification shall be of the following types as specified (see 6.2).

Type I - For general use under normal circumstances.

Type II - For use where AIR POLLUTION REGULATIONS are enforced".

Page 2, paragraph 2.2, Under publications, add:

"ASTM D 2267      Aromatics and Light Naphthas, Reformates and Gasolines by Gas Chromatography".

Page 3, Add new paragraph:

"3.3.4 Solvents - The solvent content of Type I adhesive shall be of the type normally used in the formulation when the finished product is for general use under normal circumstances. For Type II adhesive, the solvent content of the adhesive shall consist of a non-photochemically reactive solvent. A non-photochemically reactive solvent is any solvent with an aggregate of less than 20 percent of its total volume composed of the chemical compounds classified below or which does not exceed any of the following individual percentage composition limitations, referred to the total volume of solvent:

a. A combination of hydrocarbons, alcohols, aldehydes, esters, ethers, or Ketones having an olefinic or cycloolefinic type of unsaturation: 5 percent;

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b. A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent;

c. A combination of ethylbenzene, Ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent."

Page 4, Add new paragraph:

"4.5.5 Non-photochemically reactive solvents - The non-photochemically reactive volatile composition shall be determined using a gas chromatograph or other suitable device in accordance with Method ASTM-D-2267."

Page 5, paragraph 6.2, add the following subparagraph:

"g. Type required (see 1.2)."

Page 7, Add new paragraph:

"6.3 Type II adhesive - Type II adhesive should be specified for use in areas with regulations controlling the emission of solvents into the atmosphere ".

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