

MIL-R-13742  
AMENDMENT I  
28 April 1972

MILITARY SPECIFICATION  
RDX, DENSENSITIZED

This Amendment forms a part of Military Specification MIL-R-13742, dated 3 November 1954, and is mandatory for use by all Departments and Agencies of the Department of Defense.

Paragraph 2.1: Delete: "MIL-L-2104" in its entirety, and substitute "MIL-P-14796 (MU) Process Oil (For Use With Ammunition)".

Change: "MIL-R-398" to read "MIL-R-00398 (ORD)".

Paragraph 3: Change: "MIL-R-398, Type II, Class II," to read "MIL-R-00398 (ORD), Type B, Class A,".

Delete: "MIL-L-2104" and substitute "MIL-P-14796".

Add the following to the end of this paragraph: "If the incorporation of RDX with Process Oil is made prior to granulation analysis of the RDX, and analysis indicates failure of the RDX to meet Class A Granulation requirements, this composition may be blended with acceptable Desensitized RDX and then tested to meet Class A RDX requirements as specified in 4.8."

Paragraph 4.4.2.3: Delete "carbon tetrachloride" and substitute "benzene".

Paragraph 4.5.1: Delete "carbon tetrachloride" wherever it appears and substitute "aliphatic naphtha".

Paragraph 4.5.2: Delete "Engine Oil Content" and substitute "Oil Content".

Paragraph 4.6: Delete "carbon tetrachloride" and substitute "benzene".

Paragraph 4.7: Delete "carbon tetrachloride" and substitute "benzene".

Add the following new paragraphs:

"4.8 Determination of granulation.--(Applicable only if the RDX incorporated with Process Oil did not meet Class A Granulation). A sufficient representative sample of Desensitized RDX shall be sampled to yield a dry weight of approximately 50 gm. of RDX. The sample shall be placed into a medium porosity filter funnel and washed thoroughly with Aliphatic Naphtha until all traces of oil are removed. The remaining RDX shall be dried in an oven maintained at 105°C and tested for granulation as specified in 4.3.6 of MIL-R-398C."

FSC:1375

MIL-R-13742  
AMENDMENT I

"6.2 Atlantic Solvent No. 49, manufactured by Arco Chemical Co., 260 S. Broad Street, Philadelphia, Pa. has been found satisfactory. The aliphatic naphtha (No. 49) produced by Arco has the properties specified in Mellan, I, Handbook of Solvents. Reinhold Publishing Corporation, New York (1957)."

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