

COPPERHEAD CHEMICAL COMPANY[®]

120 RIVER ROAD • TAMAQUA, PA 18252
TEL: (570) 386-6123 • FAX: (570) 386-6158

Product Information Bulletin for:

MIXED NITRATE ESTERS

Mixed Nitrate Esters are used in propellants and propulsion systems to achieve specific properties. They are normally prepared by blending the component nitrate esters but some can be produced by conitration. Most mixed nitrate esters are stabilized with ethyl centralite or other stabilizers such as 2NDPA. Some mixed nitrate esters are desensitized with solvents such as methylene chloride and acetone. The mixed nitrate esters listed below have been approved for shipping as Class 1 Explosives.

Specifications

The nitrate esters and other components meet the requirements of military specifications or customer requirements.

Shipping Information

Designation	Approved Composition	Stabilized	Standard Packages
RXL 617	40/60 NG / TMETN	Yes	5 gallon inner packaging with a 1A2 outer packaging
RXL 618	50/50 DEGDN / TMETN	Yes	
RXL 619	40/60 NG / DEGDN	Yes	
RXL 638A	67/33 BTTN / TMETN in MeCl	Yes	30 gallon inner packaging with a 1A2 outer packaging
RXL 640	NG/BTTN Lacquer Premix	Yes	30 gallon plastic inner packaging with a UN1H2 outer packaging
RXL 648	65/35 NG / BTTN in MeCl	Yes	
RXL 684	50/50 NG / BTTN in MeCl	Yes	Palletized drums or desiccators authorized under DOT-SP2709
RXL 1001	NG / BTTN Lacquer Premix	Yes	
RXL 1004	35/35/30 NG / BTTN / Acetone	Yes	

If you are looking for a responsive, reliable, and cost effective manufacturer, contact us via telephone at (570) 386-6123 or via e-mail at sales@copperheadchemical.com. For additional information and handling instructions, refer to the Safety Data Sheet.

Rev. June 2021

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Copperhead Chemical Company Inc. and users should make their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, Copperhead makes no warranty of any kind, express or implied, including those of merchantability and fitness for particular purpose, other than the material conforms to its applicable current standard specifications. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of Copperhead for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material. Copperhead shall, in no event, be liable for special, incidental, or consequential damages, including loss of profits. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and seller assumes no liability for infringement arising out of any such use. Standard specifications, although current at the time of publication, are subject to change without notice.