



**TECHNICAL DATA SHEET BlueEagle RBC- Rifle Bore Cleaner P/N 2021-55
+100% Firearm Cleaning Product RBC (Rifle Bore Cleaner) w/ +75% Bio Base Content**

BlueEagle RBC – Rifle Bore Cleaner BioBase Hi-Performance Product Information:

- **BlueEagle RBC 100% Firearm & Weapon System Cleaning Product:** This is a very special product; based upon the previous Military Specification that was widely used for many years : MIL-PRF-372C; yet with the updated design to fulfill the goals of the USDA Bio Preferred Program along with NATO- European initiative for Human Health and Environment Safety.
- **General purpose Rifle Bore and metal parts cleaning; for firearms and weapon systems** of small & large caliber including artillery & cannon military weapons, operating in Minimum & Maximum temp range of (-40F) to(+150 °F). Highly penetrating, extreme duty and is intended for field operations to satisfy the complete needs of cleaning and removal of Carbon and Contaminates of firearms, weapon systems Artillery/Cannon including semi & full automatic.
- **BlueEagle RBC Proprietary Firearm & Weapon Systems cleaning product. Formulated with the advanced use of technical grade bio chemistry.** Universal for barrel bore & mechanical parts. Increased stability with reduced evaporation upon surfaces with cleaner weapon performance by greatly removing Carbon, Contaminates & residue particles; as compared to common used cleaners with petroleum distillates (dirty solvents)
- **BlueEagle RBC Provides Human Health & Environment Safety** during the Cleaning & Maintenance of Firearms & Weapon Systems as compared to Petroleum Based Rifle Bore Cleaning Product which allows the body to absorb Petroleum Distillates (MEK & Solvents) by respiration (breathing) or skin.
- **BlueEagle RBC BioAdvantage** is the use of Industrial / Technical Grade BioBase Material Combination from renewable Forestry Materials (Pine) & Citrus (Orange, Lemon & Lime) which provides a Natural and EASY TO USE Cleaning Capability for even the heaviest Carbon build-up with Superior Results +95% Carbon Residue & Contaminate removal.

Blue Eagle RBC- Product-Summary:

- **Safety for the Firearms user or Armorer or worker cleaning and maintaining.** Cleaning capacity or capability to clean with the power of natural oxygenated bio based materials that are natural carbon killers .Providing the highest Kb (Kari Butanol) cleaning rating of +75 which is triple (3Xs) the cleaning performance; that of common MEK or Stoddard Solvent.
- **For improved cleaning with DEEP or HEAVY carbon and contaminants** to be removed; allow the Blue Eagle RBC to soak on the surfaces for a while – then brush with friction to remove dirt etc.
- **BlueEagle RBC is not limited to the Rifle Bore.** BlueEagle RBC can and shall be used on all parts of the Firearm and Weapon System. Including the trigger group, inner and outer barrel, magazine chamber, Springs, Parts. Slides and all areas or Components to be cleaned and maintained.
- **BlueEagle RBC is SAFE of multiple surfaces** of Steel, Aluminum, Plastics including surfaces of Blueing, Wood & Varnish etc. **Completed and Maintained Firearm = Performance Repeatability.**

BlueEagle RBC can be used with all BlueEagle lubrication products including CLP & BWL.



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Applications & Use:

- Firearms (Pistol, Rifle, Shot-Gun) Semi & Full Auto weapon system – NO COPPER REMVAL.

Environmental Product for Safe BioBase USE/ fulfilling DoD, DLA & USDA “GREEN INITIATIVES”:

- FULFILLS TOXICOLOGY REVIEW & CLEARANCE by USAPHC - US Army Public Health Center As qualified through the Office of Standardization; Futures Command: Picatinny Arsenal, New Jersey.
- +75% BioBase (Forestry & Citrus Materials) as verified by a percent BioBased Carbon Content ASTM D6866-20 Method B C-14 Test report issued to US Army-DoD by Beta Analytic Test Lab.
- FULFILLS DLA - Green Procurement Program/Plan goals, initiatives & requirements.
- FULFILLS USDA – Bio Preferred Program use of renewable resources (Forestry, Pine & Citrus)
- FULFILLS NDCEE – National Defense Center for Energy & Environment goals & initiatives etc.
- FULFILLS DoD SSPP – Department of Defense Strategic Sustainability Performance Plan regarding goals, initiatives & requirements for the replacement of “Chemicals of Concern”.

BlueEagle 372F-BioRBC MIL-PRF-372F(b) Military Specification – Qualification Lab Testing

ODS	No Ozone Depleting Substances	PASS
Toxicity and hazardous materials	Cleared by US Army of Public Health	PASS
Color and appearance	Uniform in color and appearance	PASS

MIL SPEC OR ASTM TEST		372F REQ	ACTUAL	
Flash Point	ASTM D92	43°C (+110 °F)	73.8°C (+164 °F)	PASS
Pour Point	ASTM D97	-45 °C (-49 °F)	-54°C (-65 °F)	PASS
BioBase Content	ASTM D6866	28% BioBase C-14	78% BioBase C-14	PASS
Aluminum Submersion	MIL 3.3.1.1	1.0 mg/cm2 (or less)	No Change mg/cm	PASS
Steel Submersion	MIL 3.3.1.2	0.10 mg/cm2 (or less)	No Change mg/cm	PASS
Brass Submersion	MIL 3.3.1.3	0.15 mg/cm2 (or more)	0.60 mg/cm2 removed	PASS
Plastic Submersion	MIL 3.3.1.4	1.0 mg/cm2 (or less)	No Change mg/cm	PASS
Salt-Spray Submersion	ASTM B-117	1 Hour Salt Fog	1.5 Hour Salt Fog	PASS
Water Displace/Stability	MIL 3.4.2	3 Panels clean	3 Panels Clean	PASS
Firing Residue Removal	MIL 3.5.1	95% (0.250g) remain	+95% (0.010) remain	PASS
Freezing	MIL 3.5.2.1	No Fluid separation	No Fluid Separation	PASS
Heating	MIL 3.5.2.2	No Fluid separation	No Fluid Separation	PASS
Abrasive Cleaning	MIL 3.5.3.1	0.10 mg/cm2 removal	0.11 mg/cm2 removed	PASS

