



TCTEK

4th Molecule Metal Shielding Formula



TCTEK PROFESSIONAL LIQUID & GREASE

MILITARY PRESENTATION

WHAT IS TCTEK?

TCTEK is a clear golden synthetic liquid resembling an SAE 10-weight oil. When TCTEK is added to the primary lubricant of any machine, it will increase operating efficiency, extend equipment life, reduce downtime and cut unscheduled maintenance. Even though TCTEK is added to the oil, it is not an oil additive. TCTEK contains no viscosity enhancers or other oil augmentation compounds. It does not modify the primary lubricant in any way. Instead, TCTEK is a metal conditioner. TCTEK simply uses the circulating oil as a means to reach the critical hot spots and metallic friction surfaces within the machinery. When the oil carries TCTEK to these areas, TCTEK exits the oil, leaving the oil completely unaffected and unchanged.

WHERE IS TCTEK USED?

TCTEK can be used in all types of machinery. Typical uses include both two- and four-cycle Diesel and gasoline engines of all sizes; automotive and industrial transmissions and differentials; compressors of all types including refrigeration; assembly line speed reduction gears; electric motors; pumps; etc. It is also an excellent cutting fluid for the most difficult lathe and mill work. From Nuclear powered subs to dental drills, rock crushers to bicycles, air conditioners to sewing machines, TCTEK literally works anywhere two pieces of metal rub together.

HOW DOES TCTEK WORK?

When TCTEK is applied to a metal surface, it chemically reacts with, and is adsorbed by, the metal. The chemical reaction takes place at temperatures between 100°F and 150°F (38°C - 66°C) depending on friction and load conditions. The effect of the chemical reaction is a stiffening (not hardening) of the metal surface - approximately seventeen times stiffer when the reaction is complete. The increased stiffness dramatically reduces friction and parasitic drag, just as when an underinflated tire is pumped up. Reduced friction yields many benefits:

- Wear rates are greatly reduced. TCTEK treated machines last longer.
- Lubricating oil becomes more effective and efficient. Piston rings seal better against cylinder walls for better compression and reduced tailpipe emissions. Bearings spin more freely. Gears mesh more effortlessly. TCTEK treated machines run cleaner and use less energy to do the same work.
- Less heat is generated in the moving parts. TCTEK treated machines run cooler. Additionally, the bond between TCTEK and metal is remarkably durable. TCTEK-treated machines are protected and will retain adequate lubrication for extended periods in extreme out-of-parameter temperature variations, or even if the primary lubricant is completely lost.

WHAT'S IN TCTEK?

TCTEK is a chemically-reacted synthetic-based hydrocarbon derivative. At the start of the manufacturing process, TCTEK is composed of a blend of several extreme pressure lubricants, natural anti-corrosion ingredients, extremely stable chlorate esters, anti-wear components, and anti-oxidant compounds. This blend is then introduced into a chemical reactor. When TCTEK emerges from our proprietary chemical reaction process, it is no longer a blend. It has been organically bound into a unique, pure, uniform single substance. In its finished form, TCTEK is completely stable, so it does not require agitation before use. Just as important as knowing what's in TCTEK is knowing what isn't. TCTEK does not contain chlorinated paraffin's, PTFE, fluorine, solvents, carrier oils, viscosity enhancers, metals, molybdenum Disulphide, zinc, Sulphur, graphite powders or other solids. It's also important to realize that TCTEK is non-hazardous, non-toxic, and non-combustible. It is so safe that TCTEK was even approved environmentally by the U.S. Navy Medical Command for use aboard nuclear-powered submarines.



BENEFITS OF TCTEK

- Reduction of harmful tailpipe emissions in all gasoline, Diesel and two cycle engines
- Twenty-four-hour lubrication to all metal surfaces
- Reduced operating temperatures at all metal friction points
- Increased power using the same energy
- Reduced oxidation, thermal decomposition, corrosion and wear
- Greater efficiency in electric motors, alternators and generators
- Less energy required in engine start-ups, regardless of weather conditions
- Does not adversely affect the viscosity of the primary lubricant
- Long lasting -- Remains bonded to metal surfaces even after several oil changes
- Protects for extended periods even if primary lubricant is lost, or is contaminated by fuel, anti-freeze or combustion by-products
- Reduces material build-up. Contaminants and wear metals cannot cement themselves to TCTEK -protected surfaces.



Note:

TCTEK Professional liquid is not oil!

If you want to check the product for authenticity yourself, pour a small amount of the product into pure water. TCTEK Professional liquid will settle at the bottom due to its specific weight, which is higher than that of water. In contrast to this, any oil poured in water remains (floats) on the water level. TCTEK Professional liquid general instructions for application: TCTEK Professional liquid is compatible with crude oil, petrol, all transmission oils (both synthetic and mineral), hydraulic fluids, permanent greases (e.g. graphite grease). TCTEK Professional liquid used for firearms:

General instructions:

1. Disassemble the firearm and remove grease, carbon and dirt.
2. Apply TCTEK Professional liquid to inside and outside surfaces of the barrel and all mechanisms (only a very thin layer will suffice to get into surface molecular bonds of material. Where the manufacturer specifies grease to be used for the firearm, mix TCTEK Professional liquid into the grease at the prescribed ration and apply the mixture to specified surfaces treated with TCTEK Professional liquid only before. We do not recommend that grease should be used for Mouser-type and similar breeches, where the grease prevents them from operating reliably under freezing conditions. In hunting, competition and business arms, TCTEK Professional liquid is an equivalent substitute of grease. We recommend that you should consult concrete conditions with us. It is optimal and the most economical carry out the application about 24 hours before the firearm is to be used. It is appropriate to use synthetic (nonabsorbent) fabric for the application. During the period above, the firearm may be either disassembled or assembled, as the action of TCTEK Professional liquid surface layer is not disturbed by contact of firearm parts.

There is no need to wipe the barrel and mechanisms of the firearm treated in this manner (firearms treated with TCTEK Professional liquid do not need “degreasing”). After firing and heating the firearm, it is necessary to wipe TCTEK Professional liquid out of the firearm, which does not worsen efficiency of TCTEK Professional liquid . We recommend that you should check the firearm by sighting -in. To protect firearms when stored for a long time, apply a thin layer of TCTEK Professional liquid to all inside and outside surfaces, including the barrel and its mechanisms, until after you have clean them thoroughly. A very thin layer will be sufficient. We recommend that you should wipe the firearm dry before actual firing – the lubrication effect of TCTEK Professional liquid will not be lost. After firing, wipe the firearm (which is much simpler after previous treatment with TCTEK Professional liquid , because dirt and carbon do not get deposited on TCTEK Professional liquid - the firearm is not attacked by corrosion) and apply a thin layer of TCTEK Professional liquid again.



TCTEK & USAGE AREAS

MILITARY ONLY

A

- * Rifles * Shotguns * Handguns * Magazine
- * Revolvers * Pistols * Machine Guns

Firearms



B

- Rocket Propelled Grenade Launcher * Bazooka
- Hummer * Cougar * Missile launcher

Launchers

C

- Excavators * Cylinders * Machining * Trucks
- Cars * Busses * Cranes * Forklifts

Vehicles

D

- * Boats * Ships * Submarines

Water Vehicles

E

- * Airplane * Helicopters * Radars

Air Vehicles





(A) MAIN ROTAR

With the maneuver of the rotors there is high speed of friction which could cause problems in balance. wear & tear may cause rust in future in rainy days if not treated well.

Normally rotors use

- Normal grease use: (Rotors) -40°C + 100°C
- TCTEK Professional 16 is: -50°C + 150°C 180°C (Short terms)
- TCTEK Professional 16 ultra is: -40°C + 180°C 220°C (Short Terms)

LANDING GEAR & TAIL WHEEL (D)



WEAPONS (F)

On landing gears and on the tires of the helicopters as TCTEK we recommend to put a layer of TCTEK Professional 3 or 6 Grease for the -30°C +150°C for cold or hot weather conditions and recommend one of the five different grease products for the ball joints to Wheel bearings.

For weapons best look in weapons section for best results



TAIL BOOM & STABILIZERS (E)

For stabilizers and tail booms it is highly recommended to use one of our 5 types of grease for its purposes



ROTAR BLADES (B)

With main and tail rotor blades, it's a high spinning and open to air and one of the most important parts of the helicopters. There is a high risk of rust, corrosion, wear & tear problems. There is not much to do for the blades besides cleaning and or keeping it dry.

Cleaning or care products used normally has either Alcohol, Petroleum, Acid, PTFE and many more

TCTEK Professional Liquid: Does not contain none of the above. Besides its %100 Eco Friendly and %100 Synthetic Liquid.

Once wiped cleaned or soaked in TCTEK Professional Liquid, min of 24 hours later the place where it has combined will protect the metal and cancel rust and corrosion issues till next time

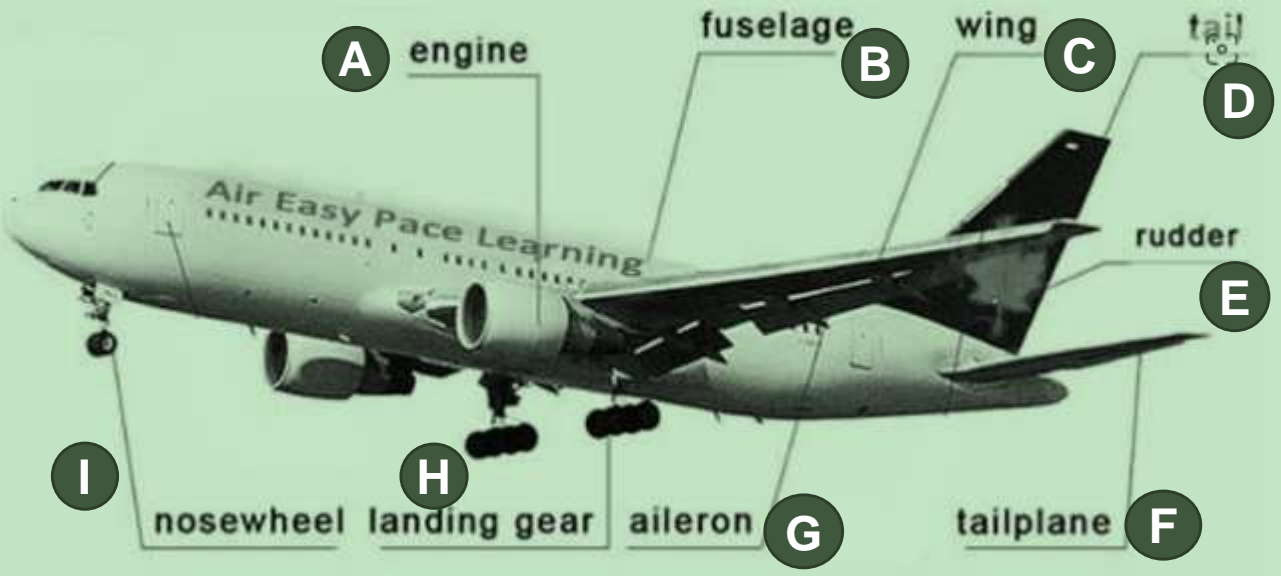
ENGINE TRANSMISSION & FUEL (C)

For every 1 litre of engine oil, adding 60ml TCTEK Professional liquid

For every 1 litre of trans oil, adding 60ml TCTEK Professional liquid

For every 70 litre of fuel adding 250ml TCTEK Professional liquid

- By adding TCTEK Professional Liquid to fuel will decrease the usage of fuel and keep it clean and running smoothly.
- By adding it to Hydraulic fluid will increase and perform high quality and ease of use on hydraulic equipment's
- By adding it to the engine oil, it will extend the life of the engine oil usage. It will keep the heat under control and by increase the life of the engine life



MILITARY AIRCRAFTS & TCTEK PRODUCTS



A ENGINE

According to previous DELTA AIR and present customers with aero industry. Hidden information by company but recommended use by TCTEK is to add 70ml per litre to engine oil that is already is been used will increase the life of the engine oil by 4 times and cut the use of adding oil by 4 times. It will protect against corrosion, rust, wear and tear this will cut the maintenance time given to the aircraft

B FUSELAGE

By cleaning, wiping or spraying TCTEK Professional Liquid and keeping on the surface for minimum of 24 hours, will strengthen the surface of raw metal (untreated by paint) protect against rust, corrosion, wear and tear caused by heat, rain or bad weather conditions.



C

Wings, Tail, Rudder, Tailplane and Aileron depending on the need of lubrication as TCTEK we recommend TCTEK Professional 16 or 16 ultra grease due to temperature resistance of -50°C and +180°C will ease the control of the movement parts in any weather with confidence of resistance. With the added TCTEK Professional Liquids in our range of grease will always protect against; dust, sand, water, heat and freezing temperatures due to its Nano technology and its ultra formula created by NASA. If there is no need for the grease than it is highly to recommend to use our product TCTEK Professional Liquid for high performance and ease to use due to its durability of use in every metal to metal friction

D

E

F

G

H

I

With the landing gear and the nose wheel of the Aircraft, as TCTEK we recommend to use a layer of TCTEK Professional 3 or 6 Grease for the -30°C +150°C for cold or hot weather conditions and recommend one of the five different grease products for the ball joints to Wheel bearings. As for the tires it is best to use TCTEK Professional Grease 3 as a layer 24 hours before the first touch down due to Plastic absorption is needed for the tires to perform without sliding on landing. By performing a layer on the tire will increase the life of the tire due to our high density of fire resistance solution.



A

K

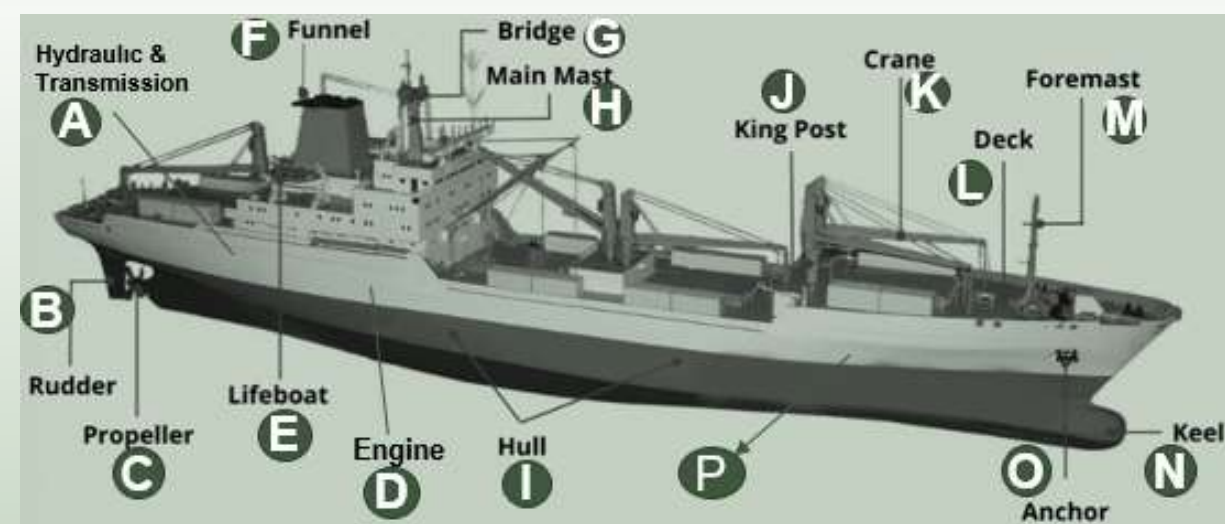
Transmission and hydraulic fluids can be used in many parts of the Ship's. As for hydraulic fluid it is recommended to use for every 20 litres adding TCOTEK Professional liquid 250ml will last the life time and performance in huge differences. Not only extending the life span of the fluid it will keep the equipment where the hydraulic is pumped thru and save on service and parts.

O K J H G F B C

Our wide range of grease is perfectly suitable for all weather, environment and machines. Our lowest to highest centigrade for greases varies between -30°C +150°C -40°C + 180°C from Bearings to high speed electric motor bearings, lithium plastic lubricant for bearings, lithium plastic lubricant for central lubrication, Lithium plastic lubricant with MoS₂. Apart from grease TCOTEK Professional Liquid can be used on its own or mixed with the already used grease for high quality performance to rust free, from corrosion to water resistant. Most of all our TCOTEK Professional Liquid is %100 Synthetic and %100 eco friendly.

D

One of the most important if not the most is the engine of the ship. Due to movement and performance and the heart is the engine of the machine. For every 1 litre of an engine oil adding TCOTEK Professional liquid will not only produce quality performance it will keep the engine clean and the life span of the oil that has been used for minimum of Four times of next oil change. This will decrease the amount that is spent on changing oil to service, from spending money on oils to extending more time on sea rather than a port.



E I L M N

By treating the unpainted, untreated metal frames, parts, from deck to Hull and Keel by TCOTEK Professional Liquid on a warm weather, will keep the treated area rust free even under water to extreme hot weather. Not only keeps it rust free it will longer last the treated area for a life span of the equipment. Most of all and most importantly, its %100 Eco friendly so their will be no environment hazard for the sea world.

P

According to our past and present customers from shipping industry there has been a test done (Company and request details hidden due to customer regulations on purchase). If a very small amount of TCOTEK Professional Liquid added to the fuel, savings of -7% - %15 is been performed.

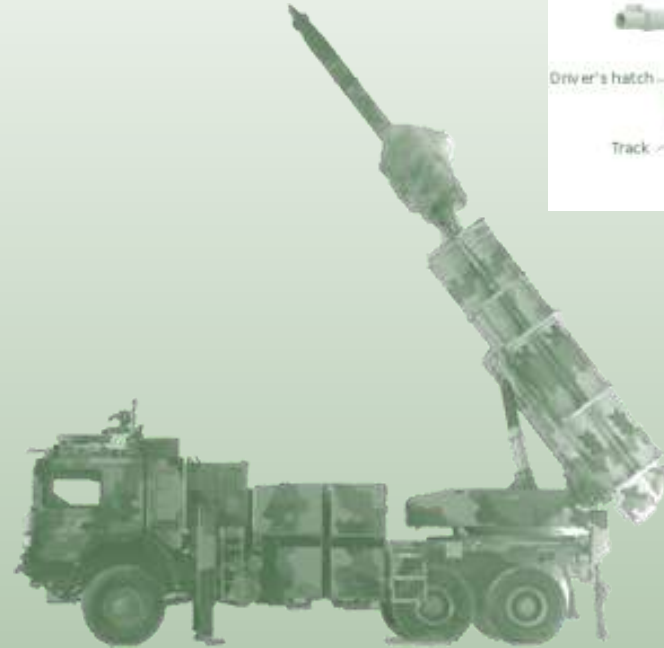
Tanks are World wide military arm for a very long time in our history. It is one of the must of every country and every army for land vehicles. Since it is very important for a military its care must be in top shape. From the tracks of the Tanks to its Hatch for a driver, from its main gun ammunition to its Drive sprocket, mostly there is different types of grease used if not hydraulic liquids for a new era Tanks.

Because of its harsh use of environment, it is easy to rust or cause corrosion on harsh weathers. As for Road wheels causing wear and tear with pressure it causes friction problems. Plus not to forget the environment where it is used like; Desert, Storm, on or in water, snow the muddy environment.

NASA formulated and on its 5th generation our product TCTEK Professional Liquid and our various grease products are easily over calm this product with ease.

These instructions are same with heavy machines like Excavators, Cylinders, Trucks, Busses, Rocket launchers on trucks to every machines used on military grounds.

Note: Please look on descriptions on page () for details of use



Firearms Application Instructions: Self-Lubrication

CHARACTERISTICS: TCTEK Synthetic TCTEK Professional liquid has the unique ability to create a complex, molecular compound within the surface of heated gunmetal. This causes TCTEK to become part of the metal, not merely a temporary coating or a boundary film. There are two main characteristics of this safe new compound. First, it seals and conditions the metal by stiffening (not hardening) the metal surface. Second, it makes the gunmetal self-lubricating under all environmental conditions.

SELF-LUBRICATION: After a complete application, a TCTEK conditioned firearm is self-lubricating. Self-lubrication gives the firearm's gunmetal the dry lubricity that is required for sustained fire under all environmental conditions. If exposure to dust, sand, or extreme cold is a concern, all excess TCTEK must be wiped away, leaving the firearm's surface metal clean, dry, and constantly lubricated. Please note: Complete corrosion protection and self-lubrication is attained only after both Step One and Step Two (below) are completed.

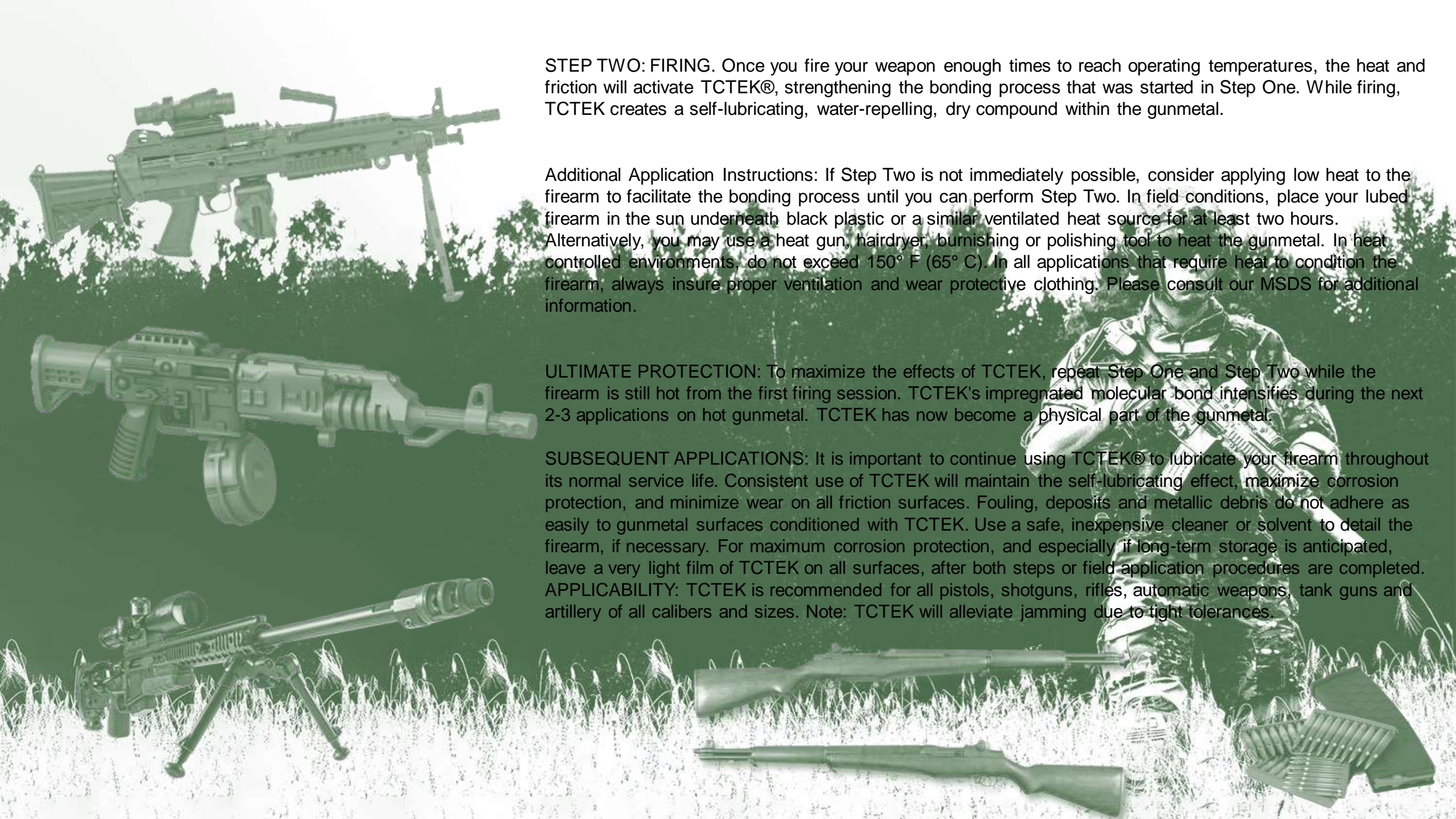
PREPARATION: To take full advantage of TCTEK's unique properties, start with a clean firearm. Although TCTEK contains a mild detergent that will help with subsequent cleaning, there are no solvents or other hazardous materials in TCTEK, so it cannot remove old caked-on fouling and build-up from other lubes. Thus, if a firearm is dirty, you must clean it with a solvent before you proceed. Normal field strip cleaning should be perfectly adequate.

If possible, remove the hand grips, clean and prepare.

INITIAL TREATMENT: Applying TCTEK® to a firearm for the first time is a two-step process: (1) Application and (2) Firing.

STEP ONE: APPLICATION. Now that the firearm is clean and dry, apply a light film of TCTEK to all surfaces, including the bore. Burnish/polish TCTEK into exterior surfaces by rubbing rapidly using a cloth lightly dampened with TCTEK. Sparingly apply drops into the action, concentrating on springs, moving parts and metal-to-metal contact areas. If your firearm has a magazine, be sure to apply TCTEK both inside and out. Leave a very light film of TCTEK on all surfaces during reassembly. Now proceed to Step Two.





STEP TWO: FIRING. Once you fire your weapon enough times to reach operating temperatures, the heat and friction will activate TCTEK®, strengthening the bonding process that was started in Step One. While firing, TCTEK creates a self-lubricating, water-repelling, dry compound within the gunmetal.

Additional Application Instructions: If Step Two is not immediately possible, consider applying low heat to the firearm to facilitate the bonding process until you can perform Step Two. In field conditions, place your lubed firearm in the sun underneath black plastic or a similar ventilated heat source for at least two hours. Alternatively, you may use a heat gun, hairdryer, burnishing or polishing tool to heat the gunmetal. In heat controlled environments, do not exceed 150° F (65° C). In all applications that require heat to condition the firearm, always insure proper ventilation and wear protective clothing. Please consult our MSDS for additional information.

ULTIMATE PROTECTION: To maximize the effects of TCTEK, repeat Step One and Step Two while the firearm is still hot from the first firing session. TCTEK's impregnated molecular bond intensifies during the next 2-3 applications on hot gunmetal. TCTEK has now become a physical part of the gunmetal.

SUBSEQUENT APPLICATIONS: It is important to continue using TCTEK® to lubricate your firearm throughout its normal service life. Consistent use of TCTEK will maintain the self-lubricating effect, maximize corrosion protection, and minimize wear on all friction surfaces. Fouling, deposits and metallic debris do not adhere as easily to gunmetal surfaces conditioned with TCTEK. Use a safe, inexpensive cleaner or solvent to detail the firearm, if necessary. For maximum corrosion protection, and especially if long-term storage is anticipated, leave a very light film of TCTEK on all surfaces, after both steps or field application procedures are completed.

APPLICABILITY: TCTEK is recommended for all pistols, shotguns, rifles, automatic weapons, tank guns and artillery of all calibers and sizes. Note: TCTEK will alleviate jamming due to tight tolerances.

ARMY IN USE

US ARMY

NATO

CZECH
ARMY



WORLD WIDE MILITARY AND ARMS REFERENCE



US MILITARY

- SPECIAL RECOGNITION & AWARDS (MILITEC-1)
- DEPARTMENT of NAVY
- US COAST GUARD
- USAOPS
- BP MARINE
- BERETTA USA CORP



NATO

- NATO STOCK NUMBERS



CONTENTS WILL BE
GIVEN IN REQUEST
DUE TO PRIVACY



CZECH ARMY

- CZECH ARMY USE
- CZECH FIRE DEPARTMENT

TURKEY ARMS

- KUBAL DEFENCE
- LIMAN DEFENCE
- MKE
- İSTANBUL SİLAH EU
- RETAY SİLAH EU



TCTEK Graphic

01

Purchasing in large quantities will save as much as half or the retail price in markets and savings on delivery, tax and time.

02

Reading the instructions and following the descriptions will assure the performance stated by TCTEK.

03

Ask for technical support from the TCTEK company for the sight by Technical support team or go thru an induction by TCTEK

04

Using the produc's at the right area with right amount of quantity will guarantee the quality as stated bt TCTEK



T C T E K

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ANKARA / TÜRKİYE

TC TEK EUROPE OFFICE:

PRAG STREET
PRAHA 10/102
PRAGUE / PRAHA 06010
PRAGUE / CZECH REPUBLIC

TC TEK FACTORY:

OSB 1605. SOKAK 69/A
TEKNOKENT İŞ HANI
OSB / YENİMAHALLE 06600
ANKARA / TURKEY



TC TEK

4th Molecule **Metal Shielding** Formula

Thank You

“WITH TC TEK GUARANTEE IS UNLIMITED”

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