



Revolubes Cycling



Preparation

Any chain or mechanism, whether used or new, requires initial and proper preparation before any lubricant is applied. This preparation is also required to allow the active ingredients of Revolubes™ to react chemically with the structural material of the chain to which it is applied.

In order to properly prepare the chain for the application of Revolubes™ lubricant, it must be thoroughly cleaned, washed and degreased to remove any post-production contamination, old or factory lubricant, filings and wear products like oxides, rust deposits, carbon deposits, etc.

Therefore, before you start applying Revolubes™, follow the steps below to ensure it works as intended:

- If necessary, clean the outer surfaces of the chain with a wire brush to remove coarse dirt and deposits.
- Place the chain/component in a container filled with **Revolubes™ Cleaner**.
- Shake the container vigorously for a moment and set aside, preferably in a warm place, so that Revolubes™ Cleaner penetrates thoroughly into every gap of the chain.
- After a few hours, shake the container a few more times to flush the dissolved impurities from the nooks and crannies of the chain.
- Take the chain/component out and let it soak down.
- Wipe the chain/component with a cloth or a paper towel and proceed with application steps.



We strongly recommend preparing your chain with Revolubes™ Cleaner. It is extremely effective in removing old grease and contaminants, and most importantly, it is compatible with Revolubes™ lubricants.

This means that after using Revolubes™ Cleaner, there is no need to degrease and rinse the chain before applying Revolubes™.

However, if you are unable to use Revolubes™ Cleaner, you can prepare the chain using white spirit, turpentine or solvent, and then rinse and degrease it with SLS soap based detergent after.

To do this, follow the instructions below:

- Clean the outer surfaces of larger deposits with a wire brush.
- Put the chain/component in a container and fill it with fresh solvent so that the chain is completely submerged.
- Allow 2 hours (10 minutes for subsequent refills) to allow the solvent to penetrate and dissolve any contamination.
- Shake the container vigorously for about 1 minute to flush the dissolved contamination from the nooks and crannies of the chain.
- If the solvent gets dirty or changed colour due to dissolving contamination, replace it with a fresh fill and shake the container again.
- If the solvent remains clean and does not change colour, go to degreasing with an SLS detergent – it can be an ordinary, cheap shower gel containing Sodium Lauryl Sulfate (SLS) – refer to the ingredients on the label.
- Put the chain/component in a container and fill it with a solution of hot water and SLS based detergent.
- Wait 10 minutes for the solution to penetrate the chain/component, and shake the container vigorously for about 1 minute.
- Remove the cleaned chain and rinse thoroughly with fresh water. Allow to dry for about 1 hour and follow the application instructions.

Application Chains

The first three applications are crucial for the full formation of protective coating, therefore optimal conditions must be created for the reaction of **Revolubes™ Bike Chain Lube** with the chain material.

The key here is the temperature, which should be above +16 °C, both for the chain and the lubricant.



In situations where this is difficult or even impossible, especially during winter months, place the bottle of Revolubes™ in a container filled with warm water and leave it until it reaches a temperature between +40 °C and +50 °C.

This treatment will provide the required energy for the chemical reaction between Revolubes™ ingredients and the chain's material. In addition, the temperature difference between the chain and the lubricant will lead to thermal expansion of the chain material, creating a vacuum that will draw Revolubes™ into chain links.

ATTENTION! Do not inhale the fumes – read Safety Information at the end.

- The first three applications should be done in short time intervals, preferably before a ride each. This will speed up full formation of protective coating.
- Apply Revolubes™ to each chain link using the provided dropper. One drop per chain link is absolutely sufficient.
- After applying to all the links, turn the crank about 30 times so that the lubricant spreads evenly. Wipe off any excess with a cloth.
- Depending on your riding style, reapply at the following intervals:
 - Road, commuting: up to 700 miles;
 - E-Bike – commuting: up to 500 miles;
 - MTB: up to 280 miles; E-MTB: up to 190 miles;

Extreme Conditions

The original Revolubes™ formula has low viscosity and thin consistency, thanks to which it provides unique penetrating properties and does not introduce additional drag, therefore saving Watts.

On the other hand, extreme riding conditions may require the links to be sealed-off from the environment. Especially if you're going to be tearing through trails, wading in mud up to the crank.



The sealing effect is achieved by applying either raw [Revolubes™ Chain Grease](#) or a mix of Revolubes™ Chain Grease and Revolubes™ Chain lube directly to the chain:

- Thicken Revolubes™ Chain Lube with Revolubes™ Chain Grease. Mix both until you obtain a uniform, thick paste that can be applied to the links with a finger or a brush.
- Apply Revolubes™ Chain Lube to the chain, and then seal the links with the mixed paste. Make sure it gets between the contact surfaces of the outer and inner plate and the connection of the roller and the inner plate.
- Turn the crank several times to distribute the lubricants around the links.
- Wipe off excess with a dry cloth.

For cleaning the drivetrain, use warm water with SLS based detergent, garden hose or pressure washer. Reapply Revolubes™ when dry.

Application

Bearings, Suspension & Ratchet

Take care of your bearings, hubs, suspension, pins, and ratchet with Revolubes™ industrial grade, active calcium sulfonate based grease with EP (Extreme Pressure) compounds.



Revolubes™ Bearing Grease is purposely designed for use in highly loaded industrial bearings operating in extreme contamination conditions.

Clean and prepare surfaces before application.

Initial Application

- Fill the bearing track with up to 1/3 of its volume using Revolubes™ Bearing Grease. Exceeding 1/3 of fill is not recommended as this may cause excessive hydrodynamic resistance during operation.
- For the ratchet mechanism, cover the mating parts with a thin, but visible layer of Revolubes™ Bearing Grease, ensuring accurate coverage of all surfaces – ratchet ring, pawls, and hinges. Turn the assembled and lubricated mechanism a couple of times to ensure the grease penetrates it thoroughly.

Maintenance and subsequent applications

- Inspect bearings and suspension every 6 months, and the ratchet every 12.
- If you notice a loss of grease, but no contamination has penetrated, apply more grease to cover the loss.
- If the grease is contaminated, clean the component and reapply from scratch.

Safety Information



DANGER!

If the label has been lost, mark the container to avoid confusion.

Hazard statements:

May be fatal if swallowed and enters airways. Harmful if inhaled. May cause an allergic skin reaction.

Prevention:

Avoid breathing mist/vapours. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Storage:

Store locked up. Keep out of reach of children.

Disposal:

Dispose of contents/container, used and contaminated petrol, white spirit, turpentine, or any other solvent used for cleaning at your local Household Waste Recycling Centre.