



Rust Remover Soak Q&A v2.1

Q:	Rust Remover Soak vs. Rust Converter	Q:	How does Soak compare with sand blasting?
A:	Rust Converters are purely a cosmetic covering where the rust is glued to the surface of the item before being painted over. Rust Converters are designed for quick jobs where the end finish is not important. We give you clean metal to allow for proper surface preparation therefore a better end result as nothing is trapped between the paint and the metal. Our Rust Remover Soak removes rust completely and cleans items from the inside out.	A:	Sand blasting as with Rust Converters are great for some applications. Some sandblasters use our products to access the areas that they can not get their guns into. Sandblasting is just a surface cleaning procedure which does not penetrate inside the items. It can in some cases dent, warp or blow holes through the item. Rust Remover soak can clean the most delicate items without causing damage.
Q:	How does Soak compare to using Molasses? (We get this one a bit in Rural areas)	Q:	What preparation is required before using the Soak?
A:	Molasses takes weeks to work, attracts every insect in the area, needs to be neutralised quickly after the process or it will eat good metal. Many people have forgotten about items due the extended working timeframe and left the item in to come back and find nothing left.	A:	De-grease the item if grease and oil are present and then remove any loose rust, dirt and other contaminants before using the solution. Make sure to remove all of the degreaser before treating as you don't want to contaminate the remover.
Q:	Do I need to dismantle items before soaking them?	Q:	Will Soak Remove Heavy Rust?
A:	No, complete items can be soaked as the Soak does not affect wood, plastic, rubber or timber. If alloys are present remove them or cover them with Petroleum Jelly before submerging. If this is not an option you can still clean the item but monitor the progress and take the item out if any reaction with the alloy occurs.	A:	Any level of rust can be removed although we suggest mechanically removing as much as possible before soaking the item. This will speed up the process and give you a longer run out of the product.
Q:	Can Soak be sprayed or brushed onto an item?	Q:	Will it affect timber, rubber or plastic?
A:	No, the Soak is designed for submerging rusted items.	A:	No, It has no effect on these materials.
Q:	Will it un-seize old tools like pliers or even engines?	Q:	Will it clean Chrome such as mag wheels etc?
A:	Yes. We have done engines, and got them operational overnight! Tools and other mechanisms will work like new again.	A:	Yes brilliantly. Compared to the cost of re-chroming this is a great way to renew old mags. Once the rust is gone, wash with water and dry the item. Then use a high quality car polish to keep them looking good. As with paint if there is heavy rust some chrome may be removed in the process. We have done a lot of these and the end result has always been a dramatic improvement.
Q:	Does Soak work on Stainless steel?	Q:	Will Soak work with metals other than iron?
A:	Yes, it works brilliantly to remove rust/tea staining from Stainless Steel. For light Rust and Tea Staining we recommend our Easy Clean Product.	A:	Yes, it will loosen tarnish from brass and copper making polishing a very easy job. Stainless Steel comes up like new and we have had outstanding results with Chrome.
Q:	Will Soak affect good metal?	Q:	Will the Soak remove paint?
A:	No, it simply removes rust.	A:	Only if the rust is under the paint.

Q:	Are there any metals that I should not try to clean with Soak?	Q:	Will Soak remove oxidation off aluminium?
A:	Yes, some alloys will react and will be etched by the product. If alloys are present remove them or cover them with Petroleum Jelly before submerging. If this is not an option you can still clean the item but monitor the progress and take the item out if any reaction occurs.	A:	No it is not designed for use with Aluminium.
Q:	What type of container should be used when submerging items?	Q:	Can I use the product in an open container and will it evaporate?
A:	Plastic Containers, tubs, bags or even plastic kitchen wrap. Do not use metal.	A:	If using an open container mark the fluid level before placing in your item. Over time some water will evaporate but the active ingredients will not. After your item is clean remove it and simply top the container up with water back to your initial line. Then place the liquid into an air tight container for storage.
Q:	How can I do difficult long items such as wood saws without buying a lot of product?	Q:	How can I do something very large that I can't put into a container?
A:	Any sized or shaped item can be done as long as the item can be kept wet with the Soak. A great idea is to make a sand box. Fill a box or tray with wet sand, place in some plastic sheet then imbed the rusted item into the plastic. Using the sand underneath form a dam around the item and pour in enough solution to cover the item.(Please see Tips & Tricks on our website)	A:	As long as the surface to be treated is kept wet with the product it will work. Many car enthusiasts use the product with a pond pump/bilge pump to clean items from the inside out. Simply set up a large flat container, place it under the area to be treated with the pump inside. Then position the end of the hose so that the solution will run over or through the item and back into the container. (Please see Tips & Tricks on our website)
Q:	How can I do small items like nuts and bolts or springs easily?	Q:	How long does Soak take to do the job?
A:	Zip lock bags are a good option for smaller and odd shaped items.	A:	Very light rust may be as quick as half an hour to an hour and heavy rust up to 24 hours.
Q:	Is it economical to use?	Q:	Does Soak keep working on the surface once an item is removed from the liquid?
A:	Very. It can be used over and over again.	A:	No, once the item has been cleaned with water no further reaction can occur.
Q:	How long is the shelf life?	Q:	How many times can I use the liquid before it stops working?
A:	We at this stage can say 2 years as we have clients using the same product for that period.	A:	It depends on the amount of rust absorbed into the liquid. Over time the solution will slow down and stop working. At the factory we used the same solution for many items for over 12 months.
Q:	How can I make the liquid last longer?	Q:	Do I need to strain the liquid?
A:	Remove as much rust from the item as possible using a wire brush etc before submerging. Take the item carefully out of the solution hourly and wash the loose rust off with water. Less rust in the solution the longer it lasts.	A:	Whilst its not really required as the sediment will sink to the bottom we do have some regular customers that run the liquid through a coffee filter/strainer before pouring it into an air tight container.

Q:	What Safety Gear is Required?	Q:	Is Rust Remover Soak Dangerous to use?
A:	We recommend gloves and safety glasses as a precaution.	A:	Soak can cause stinging to open wounds and eyes, we recommend wearing gloves and goggles.
Q:	What do I do when the rust is gone?	Q:	Does it create a protective coating?
A:	Wash the item with water and dry it. The end protective coating depends on the type of item being cleaned. For all tools without sharp edges we like clear coat paint, tools with sharp edges like saws and files etc we use machine oil and if painting etch primer or cold galv. For a short term solution WD40 etc can be used.	A:	No, Soak leaves you with clean bare metal which will rust again quickly. As per the instructions the item is to be dried and coated with a protective coating of your choice straight after removal from the solution.
Q:	Will Flash Rusting Occur if the item is not treated straight away?	Q:	What happens if I leave an item in for too long?
A:	Yes, the Soak leaves clean metal so it will in humid conditions rust again quickly. Its better to not start the job until you are ready to complete the process. Flash rust is just light surface rust and can easily be removed with a green kitchen scourers etc. You can use products like WD40 or CRC for a short term preventative measure if required then degrease the item prior to applying the end product.	A:	Soak removes Iron Oxide (Rust) and once the rust is gone will stop reacting. In some cases the item may turn black, this is caused by carbon deposits. Simply wash the item as per the instructions on the bottle and give it a light rub over with steel wool and/or use a good quality degreaser.
Q:	What should I do with the liquid when I have finished using it?	Q:	How do I dispose of the spent solution?
A:	Don't pour new and old products together. Place used product in a separate container for another use.	A:	Whilst the product is environmentally friendly please consider any containments that may have been dissolved into the product and dispose of accordingly.
Q:	What is the ph of the product?	Q:	Is it Organic or Chemical based?
A:	Around 3.5 which is 10 times less acidic than most soft drinks.	A:	It is Organic.
Q:	Do you have Material Data Safety Sheets?	Q:	What sizes are available?
A:	Yes. They are all available on our website. Technically we do not require them due to the nature of the product but they were completed as our industrial clients required them for their insurance companies.	A:	1 L Ready mix, 1 Litre concentrate, 4 litre concentrate, 10 litre concentrate, 20 litre concentrate, 200 litre concentrate (1 litre of concentrate makes 5 litres).
Q:	Where is the product made?	Q:	Will the Soak remove Blueing from Guns?
A:	We are located in Brendale in Brisbane and the products are manufactured and bottled there.	A:	Yes it will as blueing is actually a form of rust.
Q:	Does the Soak work in an ultrasonic machine?	<p>Should you get a question that is not covered in this document please call us on (07) 3889 9987 as we are more than happy to assist. We will also add your question and answer to the new Q&A Sheet for future reference.</p>	
A:	Whilst we have not tested it ourselves one of our Gunsmith Customers has and says that it have given him the same results as the original fluid with shell casings. But when it came to stage 2 in a tumbler with corn media it took 5 minutes instead of 20 minutes for the same result. Any feedback from other users would be appreciated for this point.		

Troubleshooting

The Rust was not removed.	My item turned black
<p>This only happens when there is a barrier between the Soak and the rust; for example grease, oil or the surface has been previously treated with another product. Remove the barrier and the Soak will work every time.</p>	<p>This often happens when cleaning high carbon steel like drill bits and saws. Simply clean the item with water and a light rub with steel wool.</p>
I left the item in for days and nothing happened.	
<p>If you do not see a noticeable difference within an hour again there is some type of barrier. There is no benefit in leaving items in the Soak for an extended period of time.</p>	