

# Product Data

# ***RUST REVENGE®*** **Acid-Free, Fast-Acting Rust Removing Liquid**

## Description

**Quickly removes rust from submerged parts. Completely bio-degradable. Environmentally friendly, pH neutral solution washes rust away effortlessly.**

Rust Revenge® is a water-based, powerful rust remover and descaler that works as a safe, workplace friendly solution to a common problem in metalworking industries. Highly effective at removing scale, hard water deposits, and build-up using non-hazardous, non-acidic components.

The odor-free, low-foaming, reusable solution eliminates the need for blasting, grinding or using harsh acids. The neutral pH formulation bonds and removes rust, yet doesn't affect metal compositions, plating or painted surfaces.

### ***Easy to use – no scrubbing required***

- Non-toxic: No VOCs or HAPs, acids or bases
- Safe to use on multi-surfaces; non-corrosive and non-flammable
- pH balanced for optimal cleaning
- Saves time. Removes rust in as little as 5 minutes
- Will not darken metal
- Reusable. One gallon de-rusts approx. 300 lbs (136 kg) of steel, or about 20 lbs (9 kg) of dry rust
- Can be used as short-term corrosion protection of parts being stored indoors.

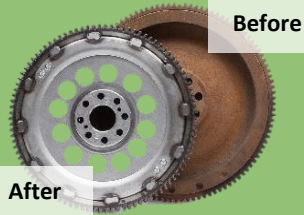
### ***Industrial Strength -***

For applications in Metalworking, Automotive, Military, Heavy Equipment industries

- Engines, turbines, boat parts, tools, fabricated metals
- Manufacturing, construction, machine shops

### ***Rust Revenge is ready to use; no dilution is required.***

- Pre-clean items to remove oil, grease or dirt. Rinse items and immerse fully in Rust Revenge.
  - ✓ *Can be used in dip or immersion tank for optimal performance.*
  - ✓ *Low-foaming: can be used in spray wash systems.*
  - ✓ *Can also be used for spot-treat method on items then rinsed clean.*
- Check progress periodically. Light surface rust will require 5-30 minutes, moderate rust up to 4 hours, and deeply rusted parts may require overnight soaking.
- For high carbon steel, remove promptly once rust is removed.
- Works best when the solution is at 60°F (15°C) or higher. Soak time varies with severity of rust.
- Once rust is removed, rinse the item with soap and water, dry and apply coating or packaging per manufacturer's instructions.
- For best results, protect the cleaned metal in Daubert Cromwell VCI packaging: film, paper, emitters.
- Follow the same guidelines to descale and remove hard water deposits or build-up.



## Features



## Typical Applications

## Guidelines for Use



1 - PRE-CLEAN



2 - SOAK



3 - RINSE

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# Technical Data

# ***RUST REVENGE***<sup>®</sup> Acid-Free, Fast-Acting Rust Removing Liquid

## Physical Data

Physical Properties	Typical Values
Appearance	Colorless to light yellow
Form	Liquid, water-based rust remover solution
Process	Soak/dip via immersion
Weight per Gallon	8.7 lbs (3.9 kg)
Flash Point	N/A
pH	6.0 – 7.0
Odor	Slight
Container sizes:	1-Gallon Bottle (3.8 L) = approx. 4,3 Kg 5-Gallon Pail (19 L) = approx. 21,4 Kg 55-Gallon Drum (208 L) = approx. 221 Kg
<i>*Do not use on chromium or cadmium.</i>	

## Storage & Disposal

Store sealed, in a dry location, out of direct sunlight in temperatures not to exceed 95°F (35°C) or below 50°F (10°C). Storage outside these conditions voids this statement.

Rust Revenge is reusable, however, once the solution turns black and no longer performs, it is ready for disposal. If no hazardous contaminants are introduced, only the iron content of the solution should indicate the disposal method. Always dispose of product per local, state and federal regulations. Safe for household disposal (local restrictions apply).

## Shelf Life

12 months from date of shipping, when stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside.

## Regulatory, Approvals, Conformance

- All ingredients are successfully registered according to TSCA and REACH requirements
- RoHS
- California Prop 65
- REACH compliant
- Ford TOX No. 505601



**WARRANTY** The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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